

## 2600T Series Pressure Transmitters

Model 265GC/GM/GG/GJ/GN Gauge  
Model 265AC/AM/AG/AJ/AN Absolute  
with direct mount seal

**IndustrialIT**  
enabled™

- **Base accuracy :  $\pm 0.04\%$**
- **Span limits**
  - 6 to 60000kPa; 24inH<sub>2</sub>O to 8700psi
  - 6 to 3000kPa abs; 45mmHg to 435psia
- **Reliable sensing system coupled with very latest digital technologies**
- **Comprehensive sensor choice**
  - optimize in-use total performance and stability
- **5-year stability**
- **Flexible configuration facilities**
  - provided locally via local keys combined with LCD indicator or via hand held terminal or PC configuration platform
- **Multiple protocol availability**
  - provides integration with HART®, PROFIBUS PA and FOUNDATION Fieldbus platforms offering interchangeability and transmitter upgrade capabilities
- **Broad selection of variants, options, fill fluids and wetted materials**
  - allows total flexibility maximizing cost-effective aspect, also providing applications with critical process media at extended temperature range
- **Full compliance with PED Category III**



**ABB 2600T Series**  
**Engineered solutions**  
**for all applications**

### General Description

Model 265G and 265A detailed in this data sheet apply for those transmitters which include on high pressure measuring side, a direct mount seal which is integral to the transducer by a short capillary connection inside a protective rigid tube.

This construction forms a standalone single assembly suitable to be mounted to the process by the seal mounting facilities.

Model 265G and 265A have the direct mount seal on the positive side, respectively with the reference at atmospheric or vacuum pressure, for gauge or absolute measurements. Allowed types of direct mount seal are those mainly used for chemical application:

- flush diaphragm flange mounted seal
- extended diaphragm flange mounted seal

These are suitable also for other process applications including food and sanitary, using FDA approved filling, which are defined as food fills and are Generally Recognized As Safe (GRAS) by the US Food and Drug Administration (FDA).

Refer to seal data sheet for all data and details relevant to seal element.

### Functional Specifications

#### Range and span limits

Sensor Code	Upper Range Limit (URL)	Lower Range Limit (LRL) (*)	Overrange Limit	Minimum Span				
				Flush Diaphragm			Extended Diaphragm	
				265GM/AM	265GC/AC			
				DN25 / 1in	DN50 / 2in	DN80 / 3in	DN50 / 2in	DN80 / 3in
				max. 250bar 25MPa 3625psi	max. 100bar 10MPa 1450psi	max. 100bar 10MPa 1450psi	max. 100bar 10MPa 1450psi	max. 100bar 10MPa 1450psi
<b>Models 265GX</b>								
<b>C</b>	6kPa 60mbar 24inH <sub>2</sub> O	-6kPa -60mbar -24inH <sub>2</sub> O	1MPa 10bar 145psi			6kPa 60mbar 24inH <sub>2</sub> O		6kPa 60mbar 24inH <sub>2</sub> O
<b>F</b>	40kPa 400mbar 16inH <sub>2</sub> O	-40kPa -400mbar -16inH <sub>2</sub> O	1MPa 10bar 145psi	16kPa 160mbar 64inH <sub>2</sub> O	10kPa 100mbar 40inH <sub>2</sub> O	6kPa 60mbar 24inH <sub>2</sub> O	16kPa 160mbar 64inH <sub>2</sub> O	6kPa 60mbar 24inH <sub>2</sub> O
<b>L</b>	250kPa 2500mbar 1000inH <sub>2</sub> O	-100kPa -1000mbar -400inH <sub>2</sub> O	500kPa 5bar 72.5psi	16kPa 160mbar 64inH <sub>2</sub> O	10kPa 100mbar 40inH <sub>2</sub> O	8.3kPa 83mbar 34inH <sub>2</sub> O	16kPa 160mbar 64inH <sub>2</sub> O	8.3kPa 83mbar 34inH <sub>2</sub> O
<b>D</b>	1000kPa 10bar 145psi	-100kPa -1bar -14.5psi	2MPa 20bar 290psi	33kPa 0.33bar 4.9psi	33kPa 0.33bar 4.9psi	33kPa 0.33bar 4.9psi	33kPa 0.33bar 4.9psi	33kPa 0.33bar 4.9psi
<b>U</b>	3000kPa 30bar 435psi	-100kPa -1bar -14.5psi	6MPa 60bar 870psi	100kPa 1bar 14.5psi	100kPa 1bar 14.5psi	100kPa 1bar 14.5psi	100kPa 1bar 14.5psi	100kPa 1bar 14.5psi
<b>R</b>	10MPa 100bar 1450psi	-100kPa -1bar -14.5psi	20MPa 200bar 2900psi	333kPa 3.3bar 49psi	333kPa 3.3bar 49psi	333kPa 3.3bar 49psi	333kPa 3.3bar 49psi	333kPa 3.3bar 49psi
<b>V</b>	60MPa 600bar 8700psi	-100kPa -1bar -14.5psi	90MPa 900bar 13050psi	2kPa 20bar 290psi	2MPa 20bar 290psi	2MPa 20bar 290psi	2MPa 20bar 290psi	2MPa 20bar 290psi
<b>Models 265AX</b>								
<b>F</b>	40kPa abs 400mbar abs 300mmHg	0kPa abs 0mbar abs 0mmHg	1MPa 10bar 145psi	16kPa 160mbar 120mmHg	10kPa 100mbar 75mmHg	6kPa 60mbar 45mmHg	16kPa 160mbar 120mmHg	6kPa 60mbar 45mmHg
<b>L</b>	250kPa abs 2500mbar abs 1875mmHg	0kPa abs 0mbar abs 0mmHg	500kPa 5bar 72.5psi	16kPa 160mbar 120mmHg	12.5kPa 125mbar 94mmHg	12.5kPa 125mbar 94mmHg	16kPa 160mbar 120mmHg	12.5kPa 125mbar 94mmHg
<b>D</b>	1000kPa abs 10bar abs 145psia	0kPa abs 0mbar abs 0psia	2MPa 20bar 290psi	50kPa 0.5bar 375mmHg	50kPa 0.5bar 375mmHg	50kPa 0.5bar 375mmHg	50kPa 0.5bar 375mmHg	50kPa 0.5bar 375mmHg
<b>U</b>	3000kPa abs 30bar abs 435psia	0kPa abs 0mbar abs 0psia	6MPa 60bar 870psi	150kPa 1.5bar 21.7psi	150kPa 1.5bar 21.7psi	150kPa 1.5bar 21.7psi	150kPa 1.5bar 21.7psi	150kPa 1.5bar 21.7psi

(\*) Additional application limits due to filling fluids see table "Pressure ratings"

Range and span limits

Sensor Code	Upper Range Limit (URL)	Minimum Span					
		In-Line remote seal		Fast coupled remote seal		Miniature remote seal	
		265GJ/AJ		265GG/AG		265GN/AN	
				Running union DIN 11851	Clamp connection		
		DN25/1in	DN40/DN50/2in DN80/3in	DN50	2in	G 1 A	G 1 1/2 A
		max. 250bar 25MPa 3625psi	max. 250bar 25MPa 3625psi	max. 25bar 2.5MPa 36.3psi	max. 40bar 4MPa 580psi	max. 600bar 60MPa 8700psi	max. 600bar 60MPa 8700psi

Models 265GX

<b>C</b>	6kPa 60mbar 24inH <sub>2</sub> O						
<b>F</b>	40kPa 400mbar 160inH <sub>2</sub> O						
<b>L</b>	250kPa 2500mbar 1000inH <sub>2</sub> O			130kPa 1.3bar 522inH <sub>2</sub> O			120kPa 1.2bar 482inH <sub>2</sub> O
<b>D</b>	1000kPa 10bar 145psi	400kPa 4bar 58psi	250kPa 2.5bar 36.3psi	130kPa 1.3bar 18.9psi	600kPa 6bar 87psi	600kPa 6bar 87psi	120kPa 1.2bar 17.4psi
<b>U</b>	3000kPa 30bar 435psi	400kPa 4bar 58psi	250kPa 2.5bar 36.3psi	130kPa 1.3bar 18.9psi	600kPa 6bar 87psi	600kPa 6bar 87psi	120kPa 1.2bar 17.4psi
<b>R</b>	10MPa 100bar 1450psi	400kPa 4bar 58psi	333kPa 3.3bar 49psi	333kPa 3.3bar 49psi	600kPa 6bar 87psi	600kPa 6bar 87psi	333kPa 3.3bar 49psi
<b>V</b>	60MPa 600bar 8700psi	2MPa 20bar 290psi	2MPa 20bar 290psi			2MPa 20bar 290psi	2MPa 20bar 290psi

Models 265AX

<b>F</b>	40kPa abs 400mba abs 160inH <sub>2</sub> O						
<b>L</b>	250kPa abs 2500mbar abs 1000inH <sub>2</sub> O			130kPa 1.3bar 18.9psi			120kPa 1.2bar 17.4psi
<b>D</b>	1000kPa abs 10bar abs 145psia	400kPa 4bar 58psi	250kPa 2.5bar 36.3psi	130kPa 1.3bar abs 18.9psi	600kPa 6bar 87psi	600kPa 6bar 87psi	120kPa 1.2bar abs 17.4psi
<b>U</b>	3000kPa abs 30bar abs 435psia	400kPa 4bar 58psi	250kPa 2.5bar 36.3psi	150kPa 1.5bar 21.7psi	600kPa 6bar 87psi	600kPa 6bar 87psi	150kPa 1.5bar 21.7psi

Span limits

Maximum span = URL

IT IS RECOMMENDED TO SELECT THE TRANSMITTER SENSOR CODE PROVIDING THE TURNDOWN VALUE AS LOWEST AS POSSIBLE TO OPTIMIZE PERFORMANCE CHARACTERISTICS.

Zero suppression and elevation

Zero and span can be adjusted to any value within the range limits detailed in the table as long as:

- calibrated span ≥ minimum span

Damping

Adjustable time constant : 0 to 60s.  
This is in addition to sensor response time

Turn on time

Operation within specification in less than 2.5s with minimum damping.

Insulation resistance

> 100MΩ at 1000VDC (terminals to earth)

## Operative limits

### Temperature limits °C (°F) :

#### Ambient (is the operating temperature)

Silicone oil filling: -40°C and +85°C (-40°F and +185°F)

Inert filling : -20°C and +85°C (-4°F and +185°F)

White oil filling: -6°C and +85°C (+21°F and +185°F)

Note : For Hazardous Atmosphere applications see the temperature range specified on the certificate/approval relevant to the aimed type of protection.

Filling Liquid	Id	Density at 20° C in Kg/m3	Process temperature in° C (° F)	
			at max. ambient temperature	
			+40° C(+104° F)	+60° C (+140° F)
Silicone oil	IC	1055	-30 and +180 (-22 and +356)	-30 and +140 (-22 and +284)
Carbon Fluoride	L	1880	-30 and +150 (-22 and +302)	-30 and +140 (-22 and +284)
High-temperature Oil	IH	1070	-10 and +180 (+14 and +356)	-10 and +140 (+14 and +284)
White Oil	WB	849	-6 and +180 (+21 and +356)	-6 and +140 (+21 and +284)
Vacuumproof Design	IC-V	1055	-30 and +180 (-22 and +356)	-30 and +140 (-22 and +284)

#### Direct mount seals (Union nut) and Buna O-ring

max +120°C (248°F)

#### Storage

Lower limit: -50°C (-58°F); -40°C (-40°F) for LCD indicators;

-6°C (+21°F) with white oil filling

Upper limit: +85°C (+185°F)

## Pressure limits

For maximum pressure refer to sensor overrange limit and seal working pressure in table "Range and Span limits" at pages 2 and 3.

For minimum pressure refer to the following table:

Filling Liquid	Id	Pressure rating in mbar abs.					
		20° C (68° F)	100° C (212° F)	150° C (302° F)	200° C (392° F)	250° C (482° F)	400° C (752° F)
Silicone oil	IC	> 500	> 500	> 500	> 750	> 1000	
Carbon Fluoride	L	> 1000	> 1000	> 1000			
High-temperature	IH	> 500	> 500	> 500	> 750	> 1000	> 1000
White Oil	WB	> 500	> 1000	> 1000	> 1000	> 1000	
Vacuumproof Design	IC-V	> 5	> 25	> 38	> 50		

**Environmental limits**

**Electromagnetic compatibility (EMC)**

Definition	Class 3
Radio suppression (according to EN 550011)	Limit class B
Fulfills NAMUR recommendation	

**Low voltage directive**

Comply with 73/23/EEC

**Pressure equipment directive (PED)**

Comply with 97/23/EEC Category III module H.

**Humidity**

Relative humidity:	up to 100% annual average
Condensing, icing:	admissible

**Vibration resistance**

Accelerations up to 2g at frequency up to 1000Hz  
(according to IEC 60068–2–26)

**Shock resistance (according to IEC 60068–2–27)**

Acceleration:	50g
Duration:	11ms

**Wet and dust-laden atmospheres**

The transmitter is dust and sand tight and protected against immersion effects as defined by IEC EN60529 (1989) to IP 67 (IP 68 on request) or by NEMA to 4X or by JIS to C0920.

**Hazardous atmospheres**

- Transmitters of the type of protection "Intrinsically safe EEx ia" according to the directions 94 / 9 / EC (ATEX)  
Transmitter with 4 to 20mA output signal and HART communication  
Marking (DIN EN 50 014): II 1/2 GD T50°C EEx ia IIC T6 or resp. II 1/2 GD T95°C EEx ia IIC T4

Supply and signal circuit type of protection Intrinsic Safety EEx ib IIB/IIC resp. EEx ia IIB/IIC for connection to supply units with maximum values:  
II 1/2 GD T50°C EEx ia resp. ib IIC T6 resp.  
II 1/2 GD T95°C EEx ia resp. ib IIC T4  
for Temperature class T4 resp. T95°C:  
U<sub>i</sub> = 30V  
I<sub>i</sub> = 200mA  
P<sub>i</sub> = 0.8W for T4 with T<sub>a</sub> = (–40 to +85)°C / (–40 to +185)°F  
P<sub>i</sub> = 1.0W for T4 with T<sub>a</sub> = (–40 to +70)°C / (–40 to +158)°F  
for Temperature class T6 resp. T50°C:  
P<sub>i</sub> = 0.7W for T6 with T<sub>a</sub> = (–40 to +40)°C / (–40 to +104)°F  
effective internal capacitance, C<sub>i</sub> ≤ 10nF  
effective internal inductance, negligible.

The capacitive measuring element (range code C, F) supplied with an intrinsically safe circuit EEx ib IIB/IIC must not be mounted into the separation wall between category 1G and category 2G.

Fieldbus transmitters (PROFIBUS PA / FOUNDATION Fieldbus)

Marking (DIN EN 50 014): II 1/2 GD T50°C EEx ia IIC T6 or resp. II 1/2 GD T95°C EEx ia IIC T4

Supply and signal circuit type of protection Intrinsic Safety EEx ib IIB/IIC resp. EEx ia IIB/IIC for connection to FISCO supply units with rectangular or trapezoidal characteristics with maximum values:

II 1/2 G EEx ia respectively ib IIC T4/T6  
U<sub>i</sub> = 17.5V I<sub>i</sub> = 360mA P<sub>i</sub> = 2.52W

II 1/2 G EEx ia respectively ib IIB T4/T6  
U<sub>i</sub> = 17.5V I<sub>i</sub> = 380mA P<sub>i</sub> = 5.32W

resp. for connection to supply unit or barrier with linear characteristics with maximum values:

II 1/2 G EEx ia respectively ib IIC T4/T6  
U<sub>i</sub> = 24V I<sub>i</sub> = 250mA P<sub>i</sub> = 1.2W  
effective internal inductance L<sub>i</sub> ≤ 10 μH,  
effective internal capacitance C<sub>i</sub> = 0

Maximum permissible ambient temperatures depending on the temperature class:

T4: –40°C to +85°C (–40°F to +185°F)  
T5, T6: –40°C to +40°C (–40°F to +104°F)

The capacitive measuring element (range code C, F) supplied with an intrinsically safe circuit EEx ib IIB/IIC must not be mounted into the separation wall between category 1G and category 2G.

- Transmitters of the type of protection "flameproof enclosure EEx d" according to the directions 94 / 9 / EC (ATEX)

Transmitter with 4 to 20mA output signal and HART communication and Fieldbus transmitters (PROFIBUS PA / FOUNDATION Fieldbus)

Marking (DIN EN 50 014): II 1/2 G EEx d IIC T6  
Ambient temperature range: –40°C to +75°C (–40°F to +167°F)

- Transmitters of category 3 for the application in "Zone 2"  
Transmitter with 4 to 20mA output signal and HART communication  
according to the directions 94 / 9 / EC (ATEX)

Marking (DIN EN 50 014): II 3 GD T50°C EEx nL IIC T6 or resp. II 3 GD T95°C EEx nL IIC T4

Operating conditions:

Supply and signal circuit (terminals signal +/-): U ≤ 45V  
I ≤ 22.5mA

Ambient temperature range:

Temperature class T4 T<sub>a</sub> = –40°C to +85°C (–40°F to +185°F)  
Temperature class T5, T6 T<sub>a</sub> = –40°C to +40°C (–40°F to +104°F)

- Factory Mutual (FM)

Transmitter with 4 to 20mA output signal and HART communication

Intrinsically safe: Class I; Division 1; Groups A, B, C, D;  
Class I; Zone 0; Group IIC; AEx ia IIC

Degree of protection : NEMA Type 4X (indoor or outdoor)

U <sub>max</sub> = 30V, C <sub>i</sub> = 10.5nF, L <sub>i</sub> = 10μH			
Ambient Temperature	Temperature class	Permissible ambient temperature depending on temperature class	
		I <sub>max</sub>	P <sub>i</sub>
–40 to +85° C (–40 to +185° F)	T4	200mA	0.8W
–40 to +70° C (–40 to +129° F)	T4	200mA	1W
–40 to +40° C (–40 to +104° F)	T5	25mA	0.75W
–40 to +40° C (–40 to +104° F)	T6	25mA	0.5W

Fieldbus transmitters (PROFIBUS PA/FOUNDATION Fieldbus)

Intrinsically Safe : Class I, II and III; Division 1; Groups A, B, C, D, E, F, G;  
Class I; Zone 0, AEx ia Group IIC T6; T4  
Non-incendive Class I, II and III, Division 2; Groups A, B, C, D, F, G

Transmitter with 4 to 20mA output signal and HART communication and Fieldbus transmitters (PROFIBUS PA/FOUNDATION Fieldbus)

Explosion-Proof: Class I; Division 1; Groups A, B, C, D;  
Class II/III, Division 1; Groups E, F, G

Degree of protection : NEMA Type 4X (indoor or outdoor)

- Canadian Standard (CSA)

Transmitter with 4 to 20mA output signal and HART communication and Fieldbus transmitters (PROFIBUS PA/FOUNDATION Fieldbus)

Explosion-Proof: Class I; Division 1; Groups B, C, D  
Class II; Division 1; Groups E, F, G  
Class III

Degree of protection : NEMA Type 4X (indoor or outdoor)

## Electrical Characteristics and Options

### HART digital communication and 4 to 20mA output

#### Power Supply

The transmitter operates from 10.5 to 45VDC with no load and is protected against reverse polarity connection (additional load allows operations over 45VDC).

Minimum power supply is 14VDC with backlit indicator.

For EEx ia and other intrinsically safe approval power supply must not exceed 30VDC.

#### Ripple

Maximum permissible voltage ripple of power supply during the communication:

7Vpp at f = 50 to 100Hz

1Vpp at f = 100 to 200Hz

0.2Vpp at f = 200 to 300Hz

#### Load limitations

4 to 20mA and HART total loop resistance :

$$R(k\Omega) = \frac{\text{Supply voltage} - \text{min. operating voltage (VDC)}}{22.5 \text{ mA}}$$

A minimum of 250Ω is required for HART communication.

#### Integral display (optional)

2-line, 6-character 19-segment alphanumeric display with additional bar chart display, optionally with back illumination. User-specific display:

percentage of the output current or

output current in mA or

free process variable

Diagnostic message, alarms, measuring range infringements and changes in the configuration are also displayed.

#### Output signal

Two-wire 4 to 20mA, user-selectable for linear or freely programmable with 20 reference points output.

HART® communication provides digital process variable (% , mA or engineering units) superimposed on 4 to 20mA signal, with protocol based on Bell 202 FSK standard.

#### Output current limits (to NAMUR standard)

Overload condition

- Lower limit: 3.8mA (configurable down to 3.5mA)

- Upper limit: 20.5mA (configurable up to 22.5mA)

#### Alarm current

Min. alarm current: configurable from 3.5mA to 4mA,  
standard setting: 3.6mA

Max. alarm current: configurable from 20mA to 22.5mA,  
standard setting: 21mA

Standard setting: max. alarm current

#### SIL - Functional Safety (optional)

according to IEC 61508 / 61511 Device with Declaration of SIL Conformity for use in safety related applications up to SIL2.

**PROFIBUS PA output****Power supply**

The transmitter operates from 10.2 to 32VDC with no polarity.

For EEx ia approval power supply must not exceed 17.5VDC. Intrinsic safety installation according to FISCO model.

**Current consumption**

operating (quiescent): 11.7mA

fault current limiting: 17.3mA max.

**Output signal**

Physical layer in compliance to IEC 1158–2/EN 61158–2 with transmission to Manchester II modulation, at 31.25kbit/sec.

**Output interface**

PROFIBUS PA communication according to Profibus DP50170 Part 2/ DIN 19245 part 1–3 compliant to Profiles 3.0 Class A&B for pressure transmitter.

**Output update time**

40ms

**Function blocks**

2 standard Analog Input Function Block,

1 Transducer Block, 1 Physical Block

**Integral display**

2-line, 6-character 19-segment alphanumeric display with additional bar chart display, optionally with back illumination. User-specific display:

percentage of the output or

OUT (analog input function block)

Diagnostic message, alarms, measuring range infringements and changes in the configuration are also displayed.

**Transmitter failure mode**

Permanent self-diagnostic; possible errors indicated in diagnostic parameters and in the status of process values.

**FOUNDATION Fieldbus output****Power supply**

The transmitter operates from 10.2 to 32VDC polarity independent.

For EEx ia approval power supply must not exceed 24VDC (entity certification) or 17.5VDC (FISCO certification), according to FF–816.

**Current consumption**

operating (quiescent): 11.7mA

fault current limiting: 17.3mA max.

**Output signal**

Physical layer in compliance to IEC 1158–2/EN 61158–2 with transmission to Manchester II modulation, at 31.25kbit/sec.

**Function blocks/execution period**

2 Standard Analog Input Function Block / 25ms max

1 Standard PID Function Block

**Additional blocks**

1 manufacturer specified Pressure with Calibration Transducer Block,

1 enhanced Resource Block

**Number of link objects**

10

**Number of VCRs**

16

**Output interface**

FOUNDATION fieldbus digital communication protocol to standard H1, compliant to specification V. 1.5; FF registration in progress.

**Integral display**

2-line, 6-character 19-segment alphanumeric display with additional bar chart display, optionally with back illumination. User-specific display:

percentage of the output or

OUT (analog input)

Diagnostic message, alarms, measuring range infringements and changes in the configuration are also displayed.

**Transmitter failure mode**

Permanent self-diagnostic; possible errors indicated in diagnostic parameters and in the status of process values.



## Performance specifications

Stated at reference condition to IEC 60770 ambient temperature of 20°C (68°F), relative humidity of 65%, atmospheric pressure of 1013hPa (1013mbar), mounting position with vertical diaphragm and zero based range for transmitter with isolating diaphragms in AISI 316 L ss or Hastelloy and silicone oil fill or ABB fill and HART digital trim values equal to 4–20mA span end points, in linear mode.

Unless otherwise specified, errors are quoted as % of span.

Some performance data (based to URL) are affected by the actual turndown (TD) as ratio between Upper Range Limit (URL) and calibrated span.

IT IS RECOMMENDED TO SELECT THE TRANSMITTER SENSOR CODE PROVIDING THE TURNDOWN VALUE AS LOWEST AS POSSIBLE TO OPTIMIZE PERFORMANCE CHARACTERISTICS.

## Accuracy rating

% of calibrated span, including combined effects of terminal based linearity, hysteresis and repeatability.

For fieldbus versions SPAN refer to Analog Input Function Block outscale range

– ±0.04% for TD from 1:1 to 10:1

–  $\pm(0.04\% + 0.005 \times \frac{\text{URL}}{\text{Span}} - 0.05)\%$  for TD greater than 10:1

## Operating influences

### Temperature effects

per 20K (36°F) ambient temperature change on transmitter sensor between the limits of –20°C to +65°C (–4 to +150°F) :

± (0.03% URL + 0.05% span)

additional effect per 20°C (36°F) ambient temperature change:

Seal type size	Error		
	kPa	mbar	inH <sub>2</sub> O
Flush 1in/DN25	0.02	0.2	0.08
Flush 2in/DN50	0.015	0.15	0.06
Flush 3in/DN80	0.01	0.1	0.04
Extended 2in/DN50	0.025	0.25	0.1
Extended 3in/DN80	0.01	0.1	0.04
In-Line seal 1in/DN25	0.6	6	2.4
In-Line seal 1,5in/DN40	0.4	4	1.6
In-Line seal 2in/DN50	0.1	1	0.4
In-Line seal 3in/DN80	0.15	1.5	0.6
Union nut DN50	0.25	2.5	1
Clamp connection 2in	1	10	4
Miniature seal G1A	2.8	28	11.2
Miniature seal G1,5A	0.4	4	1.6

additional effect per 20°C (36°F) process temperature change on seal diaphragm:

Seal type size	Error		
	kPa	mbar	inH <sub>2</sub> O
Flush 1in/DN25	0.08	0.8	0.32
Flush 2in/DN50	0.08	0.8	0.32
Flush 3in/DN80	0.02	0.2	0.08
Extended 2in/DN50	0.18	1.8	0.72
Extended 3in/DN80	0.02	0.2	0.08
In-Line seal 1in/DN25	1.8	18	7.2
In-Line seal 1,5in/DN40	1.2	12	4.8
In-Line seal 2in/DN50	0.8	8	3.2
In-Line seal 3in/DN80	1.2	12	4.8
Union nut DN50	0.5	5	2
Clamp connection 2in	2	20	8
Miniature seal G1A	7	70	28
Miniature seal G1,5A	0.8	8	3.2

### Supply voltage

Within voltage/load specified limits the total effect is less than 0.001% of URL per volt.

### Load

Within load/voltage specified limits the total effect is negligible.

### Electromagnetic field

Total effect : less than 0.05% of span from 80 to 1000MHz and for field strengths up to 10V/m when tested with shielded conduit and grounding, with or without meter.

### Common mode interference

No effect from 250Vrms @ 50Hz, or 50VDC



## Physical Specification

(Refer to ordering information sheets for variant availability related to specific model or versions code)

### Materials

#### Process isolating diaphragms (\*)

Refer to ordering information

#### Process connection (\*)

Refer to ordering information

#### Seal fill fluid

Refer to ordering information

#### Sensor fill fluid

Silicone oil; inert fill (Carbon fluoride); white oil (FDA)

#### Mounting bracket

AISI 316 L ss

#### Sensor housing

AISI 316 L ss.

#### Electronic housing and covers

Barrel version

– Low-copper content aluminium alloy with baked epoxy finish;

– AISI 316 L ss.

DIN version

– Low-copper content aluminium alloy with baked epoxy finish.

#### Covers O-ring

Viton™.

#### Local zero and span adjustments:

Glass filled polycarbonate plastic (removable).

No local zero and span adjustments with housing made of stainless steel.

#### Tagging

AISI 316ss or plastic data plate attached to the electronics housing.

### Calibration

Standard: at maximum span, zero based range, ambient temperature and pressure;

Optional: at specified range and ambient conditions; or at operating temperature

### Optional extras

#### Mounting bracket

For vertical and horizontal 50mm (2in) pipes or wall mounting.

#### Integral display

plug-in rotatable LCD indicator.

#### Supplemental customer tag

AISI 316 ss tag fastened to the transmitter with stainless steel wire for customer's tag data up to a maximum of 30 characters and spaces.

#### Surge protection (optional)

Up to 4kV

– voltage 1.2µs rise time/50µs delay time to half value

– current 8µs rise time/20µs delay time to half value

not available with ATEX-EEx nL or PROFIBUS PA / FOUNDATION Fieldbus with Intrinsic Safety EEx i or FM-Intrinsically Safe

#### Cleaning procedure for oxygen service (not for sensor V)

#### Test Certificates (test, design, calibration, material traceability)

#### Tag and manual language

#### Process connections

See ordering information appropriate pressure seals

#### Electrical connections

Two 1/2 – 14 NPT or M20x1.5 threaded conduit entries, direct on housing or plug connector:

– HART : straight or angle Harting Han connector and one plug.

– PROFIBUS PA, FOUNDATION Fieldbus, : M12x1 or 7/8in.

#### Terminal block

HART version: four terminals for signal/external meter wiring up to 2.5mm<sup>2</sup> (14AWG) and three connection points for test and communication purposes.

Fieldbus versions: two terminals for signal wiring (bus connection) up to 2.5mm<sup>2</sup> (14AWG)

#### Grounding

Internal and external 4mm<sup>2</sup> (12AWG) ground termination points are provided.

#### Mounting position

Transmitter can be mounted in any position.

Electronics housing may be rotated to any position. A positive stop prevents over travel.

#### Mass (without options)

Transmitter: approx 1.2kg

Flange seal

– DN50, PN16/40 with flush diaphragm: approx 3.3kg

– 2in, Class 300 with flush diaphragm: approx 3.7kg

– DN50, PN16/40 with extended diaphr.100mm: approx 4.0kg

– 2in, Class 300 with extended diaphr.100mm: approx 5.4kg

– DN80, PN16/40 with flush diaphragm: approx 5.8kg

– 3in, Class 150 with flush diaphragm: approx 5.3kg

– DN80, PN16/40 with extended diaphr.100mm: approx 7.5kg

– 3in, Class 150 with extended diaphr.100mm: approx 7.0kg

Flush diaphragm seals DN25/1in, miniature seals, in-line seals and fast coupled seals: see dimensional diagrams.

#### Packing

Carton

™ Hastelloy is a Cabot Corporation trademark

™ Viton is a Dupont de Nemour trademark

(\*) Wetted parts of the transmitter.

## Configuration

### Transmitter with HART communication and 4 to 20 mA

#### Standard configuration

Transmitters are factory calibrated to customer's specified range. Calibrated range and tag number are stamped on the type plate. If calibration range and tag data are not specified, the transmitter will be supplied configured as follows:

4 mA	Zero
20 mA	Upper Range Limit (URL)
Output	Linear
Damping	0.125s
Transmitter failure mode	21mA
Optional LCD-indicators	0 to 100% linear

Any or all the above configurable parameters, including Lower range-value and Upper range-value can be easily changed using the HART hand-held communicator or by a PC, running the configuration software SMART VISION with DTM for 2600T.

The transmitter database is customized with specified flange type and material, o-ring and filling liquid.

### Transmitter with PROFIBUS PA communication

Transmitters are factory calibrated to customer's specified range. Calibrated range and tag number are stamped on the type plate. If calibration range and tag data are not specified, the transmitter will be supplied configured as follows:

Measure Profile	Pressure
Engineering Unit	mbar/bar
Output scale 0%	Lower Range Limit (LRL)
Output scale 100%	Upper Range Limit (URL)
Output	Linear
Hi-Hi Limit	Upper Range Limit (URL)
Hi Limit	Upper Range Limit (URL)
Low Limit	Lower Range Limit (LRL)
Low-Low Limit	Lower Range Limit (LRL)
Limits hysteresis	0.5% of output scale
PV filter	0.125s.
Address	126

Any or all the above configurable parameters, including Lower range-value and Upper range-value can be easily changed by a PC, running the configuration software SMART VISION with DTM for 2600T.

The transmitter database is customized with specified flange type and material, o-ring and filling liquid.

### Transmitter with FOUNDATION Fieldbus communication

Transmitters are factory calibrated to customer's specified range. Calibrated range and tag number are stamped on the type plate. If calibration range and tag data are not specified, the transmitter will be supplied configured as follows:

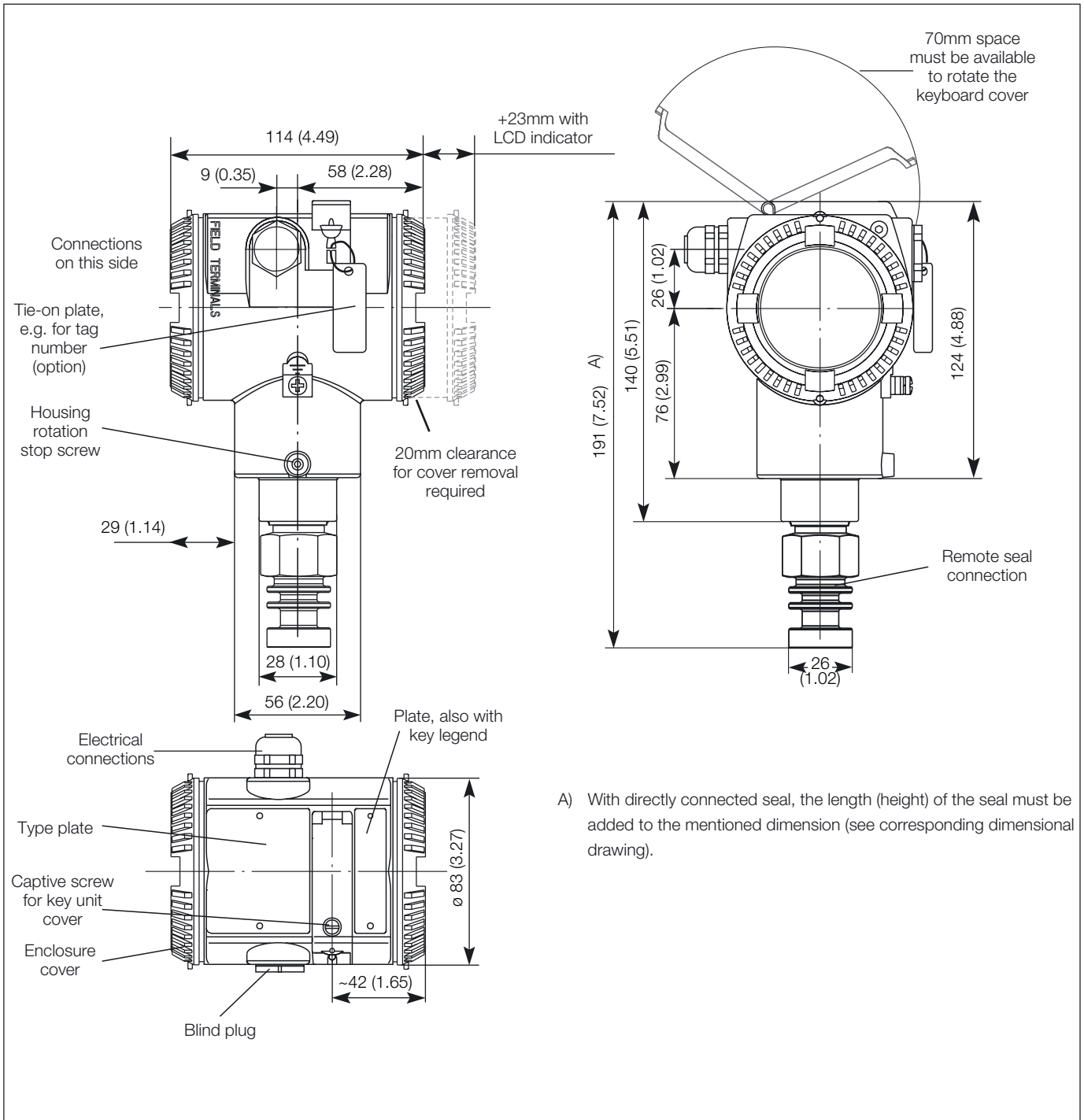
Measure Profile	Pressure
Engineering Unit	mbar/bar
Output scale 0%	Lower Range Limit (LRL)
Output scale 100%	Upper Range Limit (URL)
Output	Linear
Hi-Hi Limit	Upper Range Limit (URL)
Hi Limit :	Upper Range Limit (URL)
Low Limit	Lower Range Limit (LRL)
Low-Low Limit	Lower Range Limit (LRL)
Limits hysteresis	0.5% of output scale
PV filter	0.125s
Address	Not necessary

Any or all the above configurable parameters, including lower range value and upper range value can be changed by any FOUNDATION Fieldbus compatible configurator.

The transmitter database is customized with specified flange type and material, o-ring and filling liquid.

**MOUNTING DIMENSIONS** (not for construction unless certified) - dimensions in mm (in)

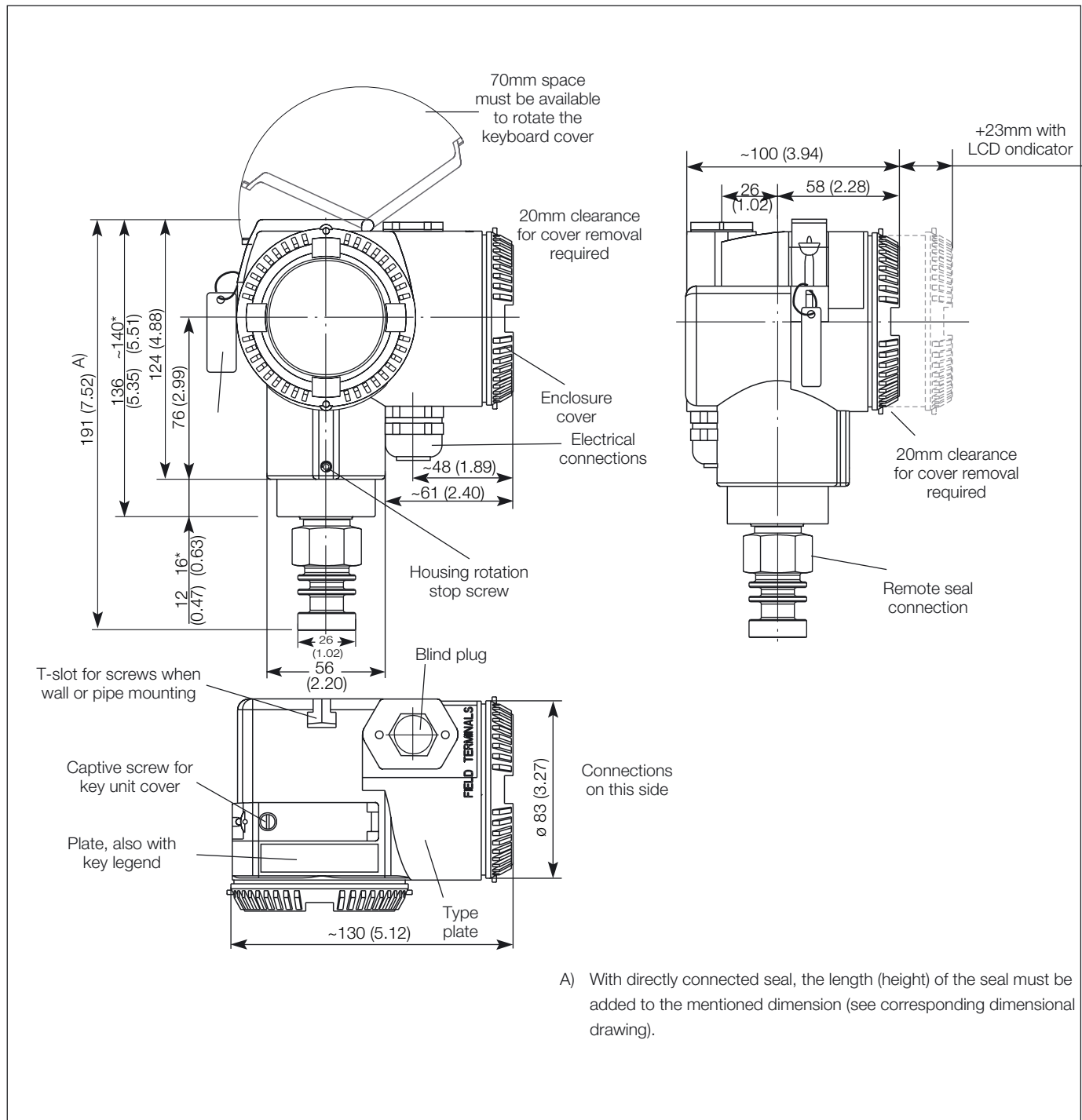
**Transmitter with barrel-type amplifier housing**



A) With directly connected seal, the length (height) of the seal must be added to the mentioned dimension (see corresponding dimensional drawing).

**MOUNTING DIMENSIONS** (not for construction unless certified) - dimensions in mm (in)

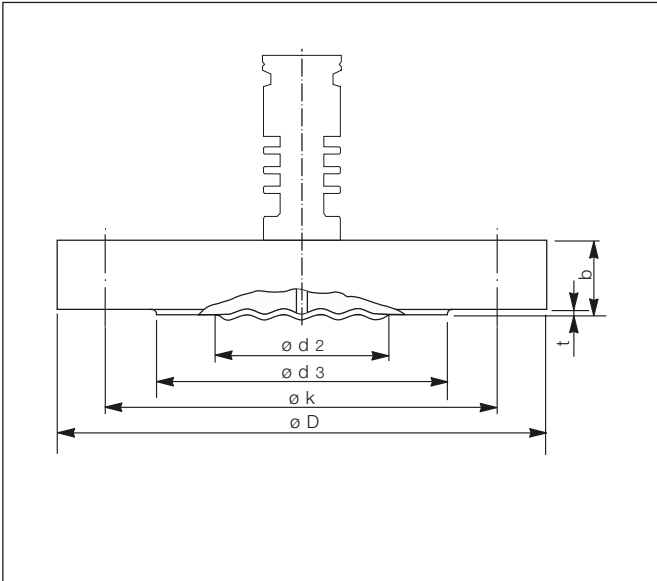
**Transmitter with DIN-type amplifier housing**



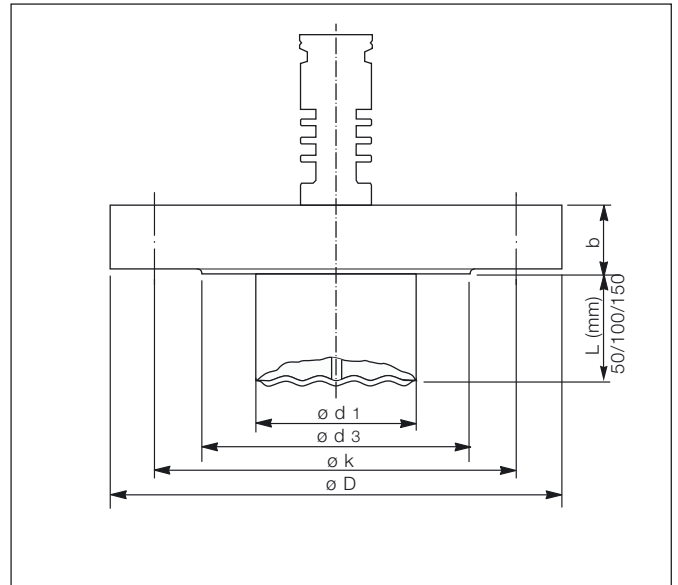
**MOUNTING DIMENSIONS** (not for construction unless certified) - dimensions in mm (in)

Sealing rings and fixing materials not supplied

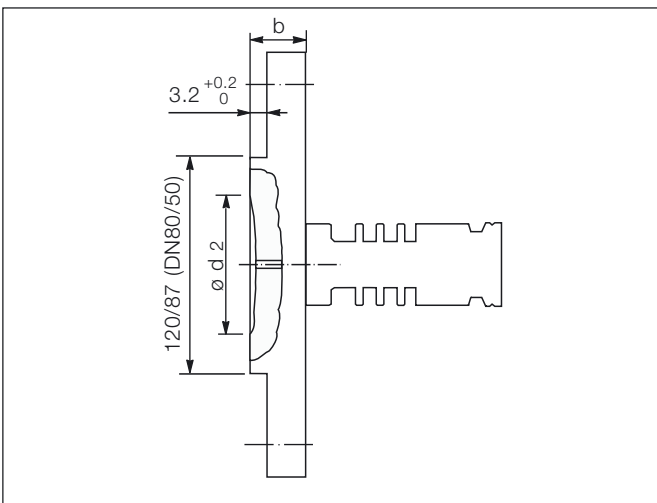
Flanged seal DN50, DN80, 2in, 3in



Flush diaphragm seals



Extended diaphragm seals

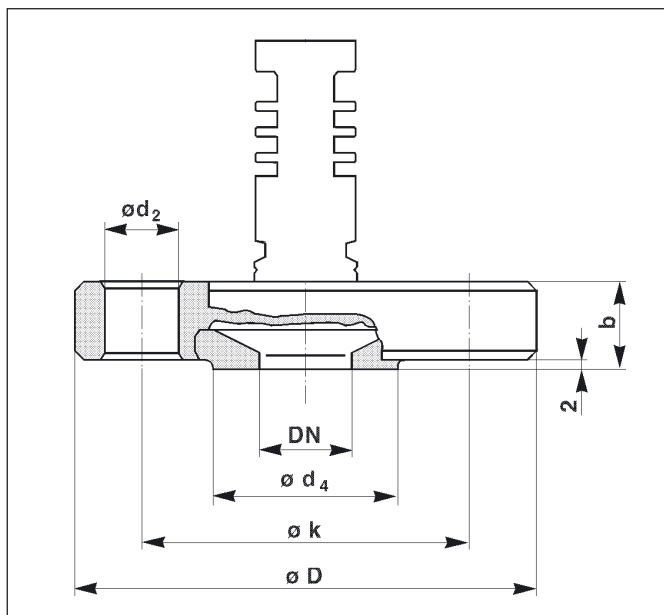


Form V13 Sealing Surface

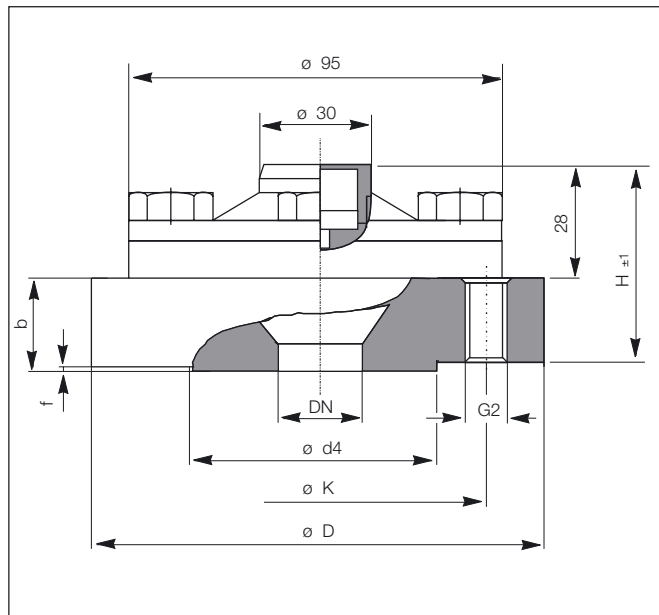
Nominal diameter Maximum Working Pressure	Dimensions mm (in)								
	D (dia)	K (dia)	Extension d1 (dia)	d2 (dia)	d3 (dia)	t	b	required screws	
								Number	Thread
DN50 PN16/40	165 (6.5)	125 (4.92)	51 (2)	57 (2.24)	102 (4.02)	3 (0.12) +0.5	20 (0.79)	4	M16
DN50 PN64	180 (7.09)	135 (5.31)	51 (2)	57 (2.24)	102 (4.02)	3 (0.12) +0.5	26 (1.02)	4	M20
DN50 PN100	195 (7.68)	145 (5.71)	51 (2)	57 (2.24)	102 (4.02)	3 (0.12) +0.5	28 (1.10)	4	M20
DN80 PN16/40	200 (7.88)	160 (6.3)	76 (3)	75 (2.95)	138 (5.43)	3 (0.12) +0.5	24 (0.94)	8	M18
DN80 PN64	215 (8.47)	170 (6.7)	76 (3)	75 (2.95)	138 (5.43)	3 (0.12) +0.5	28 (1.10)	8	M20
DN80 PN100	230 (9.06)	180 (7.09)	76 (3)	75 (2.95)	138 (5.43)	3 (0.12) +0.5	32 (1.26)	8	M24
2in ASME Class 150	152.4 (6)	120.6 (4.75)	51 (2)	57 (2.24)	92.1 (3.63)	3 (0.12) +0.5	17.4 (0.69)	4	M18
2in ASME Class 300	165.1 (6.5)	127.0 (5)	51 (2)	57 (2.24)	92.1 (3.63)	3 (0.12) +0.5	20.6 (0.81)	8	M18
2in ASME Class 600	165.1 (6.5)	127.0 (5)	51 (2)	57 (2.24)	92.1 (3.63)	6.35 (0.25)	31.75 (1.25)	8	M18
3in ASME Class 150	190.5 (7.5)	152.4 (6)	76 (3)	75 (2.95)	138 (5.43)	3 (0.12) +0.5	22.2 (0.87)	4	M16
3in ASME Class 300	209.5 (8.25)	168.3 (6.63)	76 (3)	75 (2.95)	138 (5.43)	3 (0.12) +0.5	27.0 (1.06)	8	M20
3in ASME Class 600	209.5 (8.25)	168.3 (6.63)	76 (3)	75 (2.95)	138 (5.43)	6.35 (0.25)	38.05 (1.5)	8	M20

**MOUNTING DIMENSIONS** (not for construction unless certified) - dimensions in mm (in)

**Flush Diaphragm Seals DN25/1in with Internal Diaphragm**



PN10/40 or Class 150/300



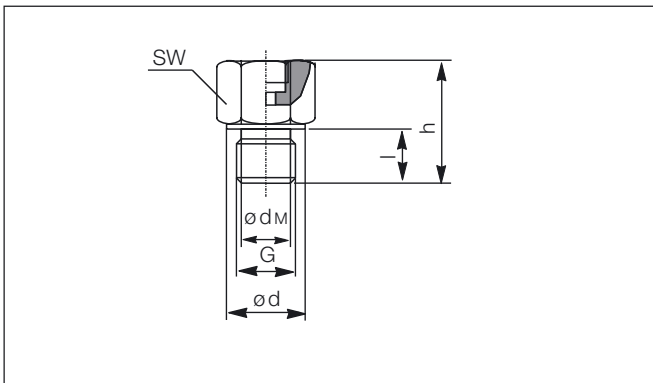
PN63 to 250 or Class 600/1500

Connections to DIN 2501										
Size	Nominal pressure	Dimensions in mm (in)								
		D	k	d4	b	f	H	d2	G2	Weight in kg
DN25	PN 10/40	115 (4.5)	85 (3.3)	68 (2.7)	22 (0.9)	2	--	14	--	1.5
DN25	PN 63/100	140 (5.5)	100 (3.9)	68 (2.7)	24 (0.9)	2	52 (2.0)	--	4xM16	3.2
	PN 160	140 (5.5)	100 (3.9)	68 (2.7)	24 (0.9)	2	52 (2.0)	--	4xM16	3.6
	PN 250	150(5.9)	105 (4.1)	68 (2.7)	28 (1.1)	2	56 (2.2)	--	4xM16	4.0

Connections to ANSI B 16.5										
Size	Nominal pressure	Dimensions in mm (in)								
		D	k	d2	d4	b	f	H	G2 UNC	Weight in kg
1in	Class 150	110 (4.3)	79.5 (3.1)	16 (0.6)	51 (2)	22 (0.9)	2	--	--	1.4
	Class 300	125 (4.9)	89 (3.5)	20 (0.8)	51 (2)	22 (0.9)	2	--	--	1.7
1in	Class 600	125 (4.9)	89 (3.5)	--	51 (2)	25 (1)	7	53 (2.1)	4x5/8"	3.6
	Class 1500	150 (5.9)	101.5 (4)	--	51 (2)	36 (1)	7	64 (2.5)	4x7/8"	4.0

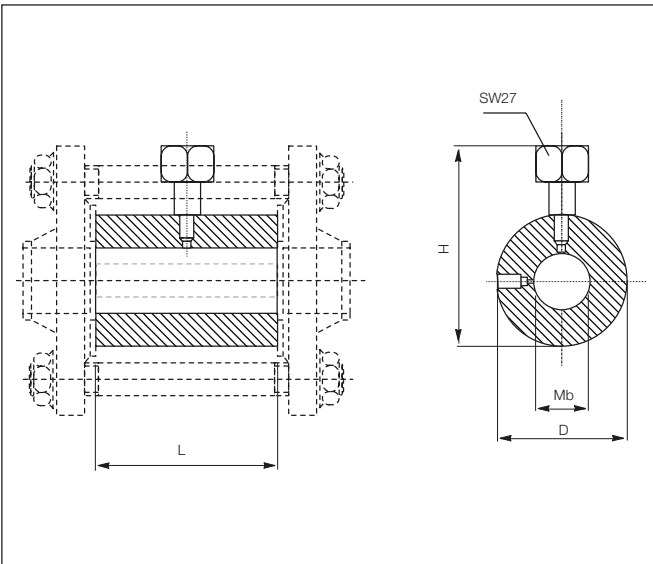
**MOUNTING DIMENSIONS** (not for construction unless certified) - dimensions in mm (in)

**Miniature Seals**



DN (G)	PN	Dimensions in mm (in)					Weight in Kg
		dm	SW	d	l	h	
G 1 A	600	25 (1)	41 (1.6)	39 (1.5)	28 (1.1)	64 (2.5)	0.3
G 1 1/2A	600	40 (1.6)	55 (2.2)	60 (2.4)	30 (1.2)	50 (2)	0.5

**In-Line Seals (without flanges)**

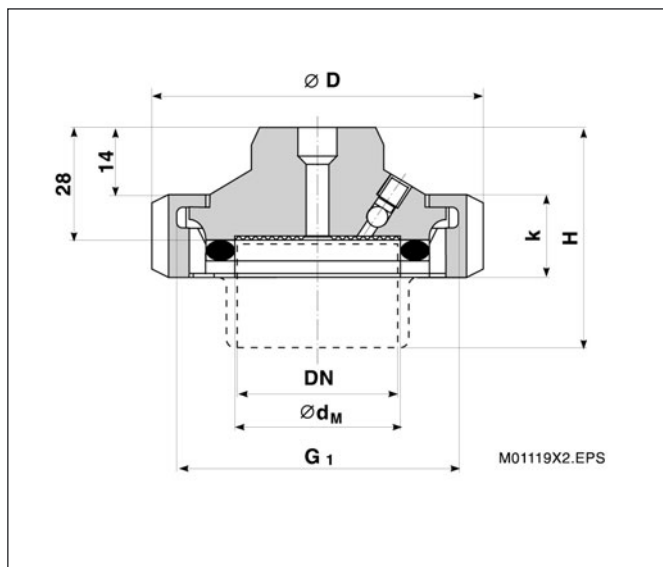


Connections according to DIN 2501 / ANSI B 16.5					
	Nominal pressure	Dimensions in mm (in)			Weight in kg
		D	L	Mb	
DN25 / 1in	PN 6 to PN 400 Class 150 to 2500	63 (2.5)	60 (2.7)	28.5 (1.1)	1.4
DN40 / 1 1/2in	PN 6 to PN 400 Class 150 to 2500	85 (3.3) 78 (3.1)	60 (2.7)	43 (1.7)	2.2
DN50 / 2in	PN 6 to PN 400 Class 150 to 2500	95 (3.7)	60 (2.7)	54.5 (2.15)	2.5
DN80 / 3in	PN 6 to PN 400 Class 150 to 2500	130 (5.1)	60 (2.7)	82.5 (3.2)	4.0



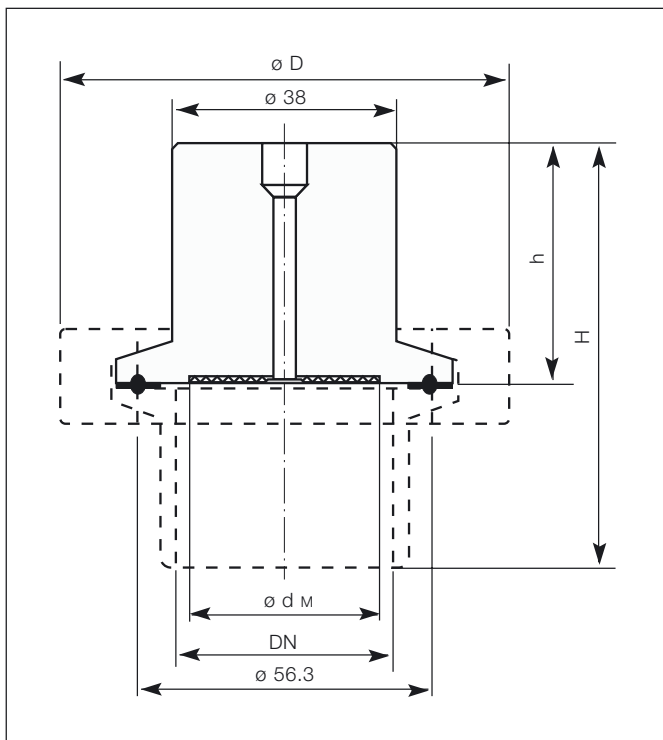
**MOUNTING DIMENSIONS** (not for construction unless certified) - dimensions in mm (in)

**Union Nut (running) DN50 (maxPN25)**



Connection acc. to DIN 11851					Design	Weight in Kg
Dimensions in mm (in)						
dM	SW	H	K	G2		
52 (2.0)	92 (3.6)	57 (2.2)	22 (0.9)	Rd 78 x 1/6	Form D-F	0.8

**Clamp-connection 2in (max PN40)**



Dimensions in mm (in)				Weight in Kg
dM	D	H	h	
40 (1.6)	75 (3)	58 (2.3)	35 (1.4)	0.75

dM = effective diaphragm diameter

## Electrical connections

### Standard Terminal block and fieldbus connector versions

Test sockets for 4...20mA (not in function with fieldbus transmitters)

Cable entry

Earthing/potential equalizing terminal

Output signal/power supply

TEST SIGNAL

Screw terminals for 0.5...2.5mm<sup>2</sup> - wires

7/8in connector

M12 x 1 connector

PIN (male) IDENTIFICATION		
	FOUNDATION Fieldbus	PROFIBUS PA
1	FF-	PA+
2	FF+	GROUND
3	SHIELD	PA-
4	GROUND	SHIELD

Mating female plug NOT SUPPLIED

### Harting Han 8U connector

89 (3.5)

Harting pin identification (view onto socket)

26 (1.02)

**BASIC ORDERING INFORMATION model 265GC Gauge Pressure Transmitter and model 265AC Absolute Pressure Transmitter with direct mount seal (flanged 2/3in or DN50/80)**

Select one character or set of characters from each category and specify complete catalog number.

Refer to additional ordering information code and specify one or more codes for each transmitter if additional options are required.

BASE MODEL – 1 <sup>st</sup> to 5 <sup>th</sup> characters				X	X	X	X	X	X	X	Continued
Gauge Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%		<b>2 6 5 G C</b>									
Absolute Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%		<b>2 6 5 A C</b>									
SENSOR - Range/max Span – 6 <sup>th</sup> character											
6kPa	60mbar	24inH <sub>2</sub> O	(only for 265GC)	C							
40kPa	400mbar	160inH <sub>2</sub> O		F							
250kPa	2500mbar	1000inH <sub>2</sub> O		L							
1000kPa	10bar	145psi		D							
3000kPa	30bar	435psi		U							
10000kPa	100bar	1450psi	(only for 265GC)	R							
60000kPa	600bar	8700psi	(only for 265GC)	V							
Diaphragm material / Fill fluid – 7 <sup>th</sup> character											
Hastelloy C276™	Silicone oil	(Note 1)		R							
Hastelloy C276™	Inert fluid	(Note 1)		2							
Hastelloy C276™	White oil	(Note 1)		Z							
Ceramic	No filling	(Note 2)		3							
Size/Mounting flange rating – 8 <sup>th</sup> character											
2in	ASME CL 150					A					
2in	ASME CL 300					D					
2in	ASME CL 600					G					
3in	ASME CL 150					B					
3in	ASME CL 300					E					
3in	ASME CL 600					H					
DN50	DIN PN 16/40					M					
DN50	DIN PN 64					P					
DN50	DIN PN 100					R					
DN80	DIN PN 40					L					
DN80	DIN PN 64					Q					
DN80	DIN PN 100					S					
Mounting flange material/Seat form (seal) – 9 <sup>th</sup> character											
AISI 316 ss	Form RF (raised face)	(Note 3)	NACE			E					
AISI 316 ss	EN 1092 B2 (DIN 2526 – Form E)	(Note 4)	NACE			S					
AISI 316 ss	EN 1092 - E (DIN 2513 – V13)	(Note 4)	NACE			M					
AISI 316 ss	EN 1092 - D (DIN 2512 - N)	(Note 4)	NACE			N					
Extension length and material (wetted parts) – 10 <sup>th</sup> character											
Flush						F					
50mm (2in)	AISI 316 L ss		NACE			1					
50mm (2in)	Hastelloy C276™		NACE			2					
100mm (4in)	AISI 316 L ss		NACE			3					
100mm (4in)	Hastelloy C276™		NACE			4					
150mm (6in)	AISI 316 L ss		NACE			5					
150mm (6in)	Hastelloy C276™		NACE			6					
Diaphragm material (wetted parts) (seal) – 11 <sup>th</sup> character											
AISI 316 L ss	(Note 5)		NACE			S					
Hastelloy C276™	(Note 6)		NACE			H					
Tantalum	(Notes 7,8)		NACE			T					
AISI 316 L ss with Teflon anti-stick coating	(Notes 7,8)		NACE			1					
Hastelloy C276™ with Teflon anti-stick coating	(Notes 7,8)		NACE			2					
Fill fluid – 12 <sup>th</sup> character											
Silicone oil										S	
Inert fluid	(Note 9)									N	
White oil (FDA approved)	(Note 10)									W	
Silicone oil vacuum proof design										L	

BASIC ORDERING INFORMATION models 265GC_265AC				X	X
<b>Housing material and electrical connection – 13<sup>th</sup> character</b>					
Aluminium alloy (Barrel version)	1/2 – 14 NPT			A	
Aluminium alloy (Barrel version)	M20 x 1.5 (CM 20)	(Not available FM, CSA)		B	
Aluminium alloy (Barrel version)	Harting Han 8U connector	(Not available ATEX EExd, FM, CSA)	(Note 11)	E	
Aluminium alloy (Barrel version)	Fieldbus connector	(Not available ATEX EExd, FM, CSA)	(Note 11)	G	
AISI 316 L ss (Barrel version)	1/2 – 14 NPT			S	
AISI 316 L ss (Barrel version)	M20 x 1.5 (CM 20)	(Not available FM, CSA)		T	
Aluminium alloy (DIN version)	M20 x 1.5 (CM 20)	(Not available FM, CSA)		J	
Aluminium alloy (DIN version)	Harting Han 8U connector	(Not available ATEX EExd, FM, CSA)	(Note 11)	K	
Aluminium alloy (DIN version)	Fieldbus connector	(Not available ATEX EExd, FM, CSA)	(Note 11)	W	
<b>Output/Additional options – 14<sup>th</sup> character</b>					
HART digital communication and 4 to 20mA	No additional options		(Notes 12, 13)	H	
HART digital communication and 4 to 20mA	Options requested (to be ordered by "Additional ordering code")		(Note 12)	1	
PROFIBUS PA	No additional options		(Notes 12, 13)	P	
PROFIBUS PA	Options requested (to be ordered by "Additional ordering code")		(Note 13)	2	
FOUNDATION Fieldbus	No additional options		(Notes 12, 13)	F	
FOUNDATION Fieldbus	Options requested (to be ordered by "Additional ordering code")		(Note 13)	3	

**Standard delivery items (can be differently specified by additional ordering code)**

- General purpose (no Ex design)
- No meter/display, no mounting bracket, no surge protection
- English manual and labels (stainless steel nameplate for Barrel housing code A,B,E,G,S,T; plastic nameplate for DIN housing code J,K,W)
- Configuration with kPa and deg. C units
- No test, inspection or material traceability certificates

THE SELECTION OF SUITABLE WETTED PARTS AND FILLING FLUID FOR COMPATIBILITY WITH THE PROCESS MEDIA IS A CUSTOMER'S RESPONSIBILITY, IF NOT OTHERWISE NOTIFIED BEFORE MANUFACTURING.

**ADDITIONAL ORDERING INFORMATION for models 265GC and 265AC**

Add one or more 2-digit code(s) after the basic ordering information to select all required options

	XX	XX	XX	XX	XX	XX	XX	XX	XX
<b>Electrical certification</b>									
ATEX Group II Category 1/2 GD – Intrinsic Safety EEx ia	E1								
ATEX Group II Category 1/2 G – Flameproof EEx d (Note 1)	E2								
ATEX Group II Category 3 GD – Type of protection "N" EEx nL energy limited	E3								
Factory Mutual (FM) – Intrinsically Safe	EA								
Factory Mutual (FM) – Explosion Proof (only with 1/2 – 14 NPT electrical conn., stainless steel label) (Note 1)	EB								
Canadian Standard Association – Intrinsically Safe (pending)	ED								
Canadian Standard Association – Explosion Proof (Note 1)	EE								
<b>Integral LCD</b>									
Digital LCD integral display	L1								
Backlit digital LCD integral display	L2								
<b>Surge</b>									
Surge/Transient Protector (Note 14)								S1	
<b>Operating manual</b>									
German									M1
<b>Labels &amp; tag language</b>									
German in stainless steel (not available with DIN Electronic Housing code J, K, W)									T1
German and English plastic (not suitable for Factory Mutual - Explosion Proof)									TA
<b>Additional tag plate</b>									
In stainless steel									I1
<b>Certificates</b>									
Inspection certificate EN 10204–3.1.B of calibration									C1
Inspection certificate EN 10204–3.1.B of the cleanliness stage according to DIN 25410									C3
Inspection certificate EN 10204–3.1.B of helium leakage test of the sensor module									C4
Inspection certificate EN 10204–3.1.B of the pressure test									C5
Certificate of compliance with the order EN 10204–2.1 of instrument design									C6
SIL2 - classification									CL
<b>Material traceability</b>									
Certificate of compliance with the order EN 10204–2.1 of process wetted parts									H1
Inspection certificate EN 10204–3.1.B of process wetted parts (small parts with certificate of compliance EN 10204)									H3
Test report EN 10204-2.2 of the pressure bearing and process wetted parts									H4
<b>Connector</b>									
Fieldbus 7/8in (without mating female plug) Recommended for FOUNDATION Fieldbus								(Notes 13, 15)	U1
Fieldbus M12x1 (without mating female plug) Recommended for PROFIBUS PA								(Notes 13, 15)	U2
Harting Han 8U – straight entry								(Notes 12, 15)	U3
Harting Han 8U – angle entry								(Notes 12, 16)	U4

## 2600T Pressure Transmitters

Model 265G./A.

SS/265GC/AC\_2

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- Note 1: Not available with Sensor code C, F
- Note 2: Not available with Sensor code L, D, U, R, V
- Note 3: Not available with mounting flange code M, P, R, L, Q, S
- Note 4: Not available with mounting flange code A, D, G, B, E, H
- Note 5: Not available with Hastelloy C extension code 2, 4, 6
- Note 6: Not available with AISI 316 extension code 1, 3, 5
- Note 7: Not available with extension code 1, 2, 3, 4, 5, 6
- Note 8: Not available with mounting flange code N
- Note 9: Suitable for oxygen service
- Note 10: Suitable for food application
- Note 11: Select type in additional ordering code
- Note 12: Not available with Electronic Housing code G, W
- Note 13: Not available with Electronic Housing code E, K
- Note 14: Not available with ATEX-EEx nL (code E3) or PROFIBUS PA / FOUNDATION Fieldbus (code 2 or 3) with Intrinsic Safety EEx ia (code E1) or FM-Intrinsically Safe (code EA).
- Note 15: Not available with Electronic housing code T, S, A, B, J, E.
- Note 16: Not available with Electronic housing code T, S, A, B, J, K.

™ Hastelloy is a Cabot Corporation trademark

### BASIC ORDERING INFORMATION model 265GM Gauge Pressure Transmitter and model 265AM Absolute Pressure Transmitter with direct mount seal (flanged 1in or DN25)

Select one character or set of characters from each category and specify complete catalog number.

Refer to additional ordering information code and specify one or more codes for each transmitter if additional options are required.

BASE MODEL – 1 <sup>st</sup> to 5 <sup>th</sup> characters				X	X	X	X	X	X	X	X	Continued
Gauge Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%			<b>2 6 5 G M</b>									
Absolute Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%			<b>2 6 5 A M</b>									
SENSOR - Range/max Span – 6 <sup>th</sup> character												
40kPa	400mbar	160inH <sub>2</sub> O		F								
250kPa	2500mbar	1000inH <sub>2</sub> O		L								
1000kPa	10bar	145psi		D								
3000kPa	30bar	435psi		U								
10000kPa	100bar	1450psi	(only for 265GM)	R								
60000kPa	600bar	8700psi	(only for 265GM)	V								
Diaphragm material / Fill fluid (wetted parts) – 7 <sup>th</sup> character												
Hastelloy C276™	Silicone oil	(Note 1)		R								
Ceramic	No filling	(Note 2)		3								
Size/Mounting flange rating – 8 <sup>th</sup> character												
1in	ASME CL 150				A							
1in	ASME CL 300				C							
1in	ASME CL 600				E							
1in	ASME CL 1500				K							
DN25	DIN PN 10/40				H							
DN25	DIN PN 63/100				L							
DN25	DIN PN 160				T							
DN25	DIN PN 250				V							
Mounting flange material/Seat form (seal) – 9 <sup>th</sup> character												
AISI 316 ss	Form RF (raised face)	(Note 3)		NACE		E						
AISI 316 ss	EN 1092 B1 (DIN 2526 – Form D)	(Note 4)		NACE		4						
AISI 316 ss	EN 1092 - D (DIN 2512 - N)	(Note 5)		NACE		N						
Diaphragm material (wetted parts) (seal) – 10 <sup>th</sup> character												
AISI 316 L ss				NACE		S						
Fill fluid – 11 <sup>th</sup> character												
Silicone oil								S				
Silicone oil vacuum proof design								L				
Housing material and electrical connection – 12 <sup>th</sup> character												
Aluminium alloy (Barrel version)	1/2 – 14 NPT									A		
Aluminium alloy (Barrel version)	M20 x 1.5 (CM 20)	(Not available FM, CSA)								B		
Aluminium alloy (Barrel version)	Harting Han 8U connector	(Not available ATEX EExd, FM, CSA) (Note 6)								E		
Aluminium alloy (Barrel version)	Fieldbus connector	(Not available ATEX EExd, FM, CSA) (Note 6)								G		
AISI 316 L ss (Barrel version)	1/2 – 14 NPT									S		
AISI 316 L ss (Barrel version)	M20 x 1.5 (CM 20)	(Not available FM, CSA)								T		
Aluminium alloy (DIN version)	M20 x 1.5 (CM 20)	(Not available FM, CSA)								J		
Aluminium alloy (DIN version)	Harting Han 8U connector	(Not available ATEX EExd, FM, CSA) (Note 6)								K		
Aluminium alloy (DIN version)	Fieldbus connector	(Not available ATEX EExd, FM, CSA) (Note 6)								W		
Output/Additional options – 13 <sup>th</sup> character												
HART digital communication and 4 to 20mA	No additional options					(Notes 7, 8)					H	
HART digital communication and 4 to 20mA	Options requested (to be ordered by "Additional ordering code")					(Note 7)					1	
PROFIBUS PA	No additional options					(Notes 7, 8)					P	
PROFIBUS PA	Options requested (to be ordered by "Additional ordering code")					(Note 8)					2	
FOUNDATION Fieldbus	No additional options					(Notes 7, 8)					F	
FOUNDATION Fieldbus	Options requested (to be ordered by "Additional ordering code")					(Note 8)					3	

#### Standard delivery items (can be differently specified by additional ordering code)

- General purpose (no Ex design)
- No meter/display, no mounting bracket, no surge protection
- English manual and labels (stainless steel nameplate for Barrel housing code A,B,E,G,S,T; plastic nameplate for DIN housing code J,K,W)
- Configuration with kPa and deg. C units
- No test, inspection or material traceability certificates

THE SELECTION OF SUITABLE WETTED PARTS AND FILLING FLUID FOR COMPATIBILITY WITH THE PROCESS MEDIA IS A CUSTOMER'S RESPONSIBILITY, IF NOT OTHERWISE NOTIFIED BEFORE MANUFACTURING.



**ADDITIONAL ORDERING INFORMATION for models 265GM and 265AM**

Add one or more 2-digit code(s) after the basic ordering information to select all required options

	XX	XX	XX	XX	XX	XX	XX	XX	XX
<b>Electrical certification</b>									
ATEX Group II Category 1/2 GD – Intrinsic Safety EEx ia	E1								
ATEX Group II Category 1/2 G – Flameproof EEx d (Note 1)	E2								
ATEX Group II Category 3 GD – Type of protection "N" EEx nL energy limited	E3								
Factory Mutual (FM) – Intrinsically Safe	EA								
Factory Mutual (FM) – Explosion Proof (only with 1/2 – 14 NPT electrical conn., stainless steel label) (Note 1)	EB								
Canadian Standard Association – Intrinsically Safe (pending)	ED								
Canadian Standard Association – Explosion Proof (Note 1)	EE								
<b>Integral LCD</b>									
Digital LCD integral display	L1								
Backlit digital LCD integral display	L2								
<b>Surge</b>									
Surge/Transient Protector (Note 9)								S1	
<b>Operating manual</b>									
German									M1
<b>Labels &amp; tag language</b>									
German in stainless steel (not available with DIN Electronic Housing code J, K, W)									T1
German and English plastic (not suitable for Factory Mutual - Explosion Proof)									TA
<b>Additional tag plate</b>									
In stainless steel									I1
<b>Certificates</b>									
Inspection certificate EN 10204–3.1.B of calibration									C1
Inspection certificate EN 10204–3.1.B of the cleanliness stage according to DIN 25410									C3
Inspection certificate EN 10204–3.1.B of helium leakage test of the sensor module									C4
Inspection certificate EN 10204–3.1.B of the pressure test									C5
Certificate of compliance with the order EN 10204–2.1 of instrument design									C6
SIL2 - classification									CL
<b>Material traceability</b>									
Certificate of compliance with the order EN 10204–2.1 of process wetted parts									H1
Inspection certificate EN 10204–3.1.B of process wetted parts (small parts with certificate of compliance EN 10204)									H3
Test report EN 10204-2.2 of the pressure bearing and process wetted parts									H4
<b>Connector</b>									
Fieldbus 7/8in (without mating female plug) Recommended for FOUNDATION Fieldbus (Notes 8, 10)									U1
Fieldbus M12x1 (without mating female plug) Recommended for PROFIBUS PA (Notes 8, 10)									U2
Harting Han 8U – straight entry (Notes 7, 10)									U3
Harting Han 8U – angle entry (Notes 7, 11)									U4

Note 1: Not available with Sensor code F

Note 2: Not available with Sensor code L, D, U, R, V

Note 3: Not available with mounting flange code H, L, T, V

Note 4: Not available with mounting flange code A, C, E, K

Note 5: Not available with mounting flange code A, C, E, K, L, T, V

Note 6: Select type in additional ordering code

Note 7: Not available with Electronic Housing code G, W

Note 8: Not available with Electronic Housing code E, K

Note 9: Not available with ATEX-EEx nL (code E3) or PROFIBUS PA / FOUNDATION Fieldbus (code 2 or 3) with Intrinsic Safety EEx ia (code E1) or FM-Intrinsically Safe (code EA).

Note 10: Not available with Electronic housing code T, S, A, B, J, E

Note 11: Not available with Electronic housing code T, S, A, B, J, K.

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### BASIC ORDERING INFORMATION model 265GG Gauge Pressure Transmitter and model 265AG Absolute Pressure Transmitter with direct mount seal (Union nut DN50 or 2in clamp)

Select one character or set of characters from each category and specify complete catalog number.

Refer to additional ordering information code and specify one or more codes for each transmitter if additional options are required.

BASE MODEL – 1 <sup>st</sup> to 5 <sup>th</sup> characters				X	X	X	X	X	X				Continued	
Gauge Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%				2	6	5	G	G						
Absolute Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%				2	6	5	A	G						
SENSOR - Range/max Span – 6 <sup>th</sup> character														
250kPa	2500mbar	1000inH <sub>2</sub> O		L										
1000kPa	10bar	145psi		D										
3000kPa	30bar	435psi		U										
10000kPa	100bar	1450psi	(only for 265GG)	R										
Diaphragm material / Fill fluid – 7 <sup>th</sup> character														
Hastelloy C276™	Silicone oil				R									
Hastelloy C276™	Inert fluid				2									
Hastelloy C276™	White oil				Z									
Mounting connection – 8 <sup>th</sup> character														
Union nut DIN 11851 DN50 PN25									A					
2in Clamp PN40									F					
Diaphragm material (seal) – 9 <sup>th</sup> character														
AISI 316L ss							NACE			S				
Hastelloy C276™							NACE			H				
Fill fluid – 10 <sup>th</sup> character														
Silicone oil											S			
Inert fluid (Note 1)											N			
White oil (FDA approved) (Note 2)											W			
Silicone oil vacuum proof design											L			
Gasket – 11 <sup>th</sup> character														
None (Note 3)												1		
Buna (max. +120° C / 248° F) (Note 4)												4		
PTFE (Note 4)												2		
Housing material and electrical connection – 12 <sup>th</sup> character														
Aluminium alloy (Barrel version)		1/2 – 14 NPT										A		
Aluminium alloy (Barrel version)		M20 x 1.5 (CM 20)										B		
Aluminium alloy (Barrel version)		Harting Han 8U connector										E		
Aluminium alloy (Barrel version)		Fieldbus connector										G		
AISI 316 L ss (Barrel version)		1/2 – 14 NPT										S		
AISI 316 L ss (Barrel version)		M20 x 1.5 (CM 20)										T		
Aluminium alloy (DIN version)		M20 x 1.5 (CM 20)										J		
Aluminium alloy (DIN version)		Harting Han 8U connector										K		
Aluminium alloy (DIN version)		Fieldbus connector										W		
Output/Additional options – 13 <sup>th</sup> character														
HART digital communication and 4 to 20mA		No additional options											H	
HART digital communication and 4 to 20mA		Options requested (to be ordered by "Additional ordering code")											1	
PROFIBUS PA		No additional options											P	
PROFIBUS PA		Options requested (to be ordered by "Additional ordering code")											2	
FOUNDATION Fieldbus		No additional options											F	
FOUNDATION Fieldbus		Options requested (to be ordered by "Additional ordering code")											3	

### Standard delivery items (can be differently specified by additional ordering code)

- General purpose (no Ex design)
- No meter/display, no mounting bracket, no surge protection
- English manual and labels (stainless steel nameplate for Barrel housing code A,B,E,G,S,T; plastic nameplate for DIN housing code J,K,W)
- Configuration with kPa and deg. C units
- No test, inspection or material traceability certificates

THE SELECTION OF SUITABLE WETTED PARTS AND FILLING FLUID FOR COMPATIBILITY WITH THE PROCESS MEDIA IS A CUSTOMER'S RESPONSIBILITY, IF NOT OTHERWISE NOTIFIED BEFORE MANUFACTURING.

**ADDITIONAL ORDERING INFORMATION for models 265GG and 265AG**

Add one or more 2-digit code(s) after the basic ordering information to select all required options

	XX	XX	XX	XX	XX	XX	XX	XX	XX
<b>Electrical certification</b>									
ATEX Group II Category 1/2 GD – Intrinsic Safety EEx ia	E1								
ATEX Group II Category 1/2 G – Flameproof EEx d	E2								
ATEX Group II Category 3 GD – Type of protection "N" EEx nL energy limited	E3								
Factory Mutual (FM) – Intrinsically Safe	EA								
Factory Mutual (FM) – Explosion Proof (only with 1/2 – 14 NPT electrical conn., stainless steel label)	EB								
Canadian Standard Association – Intrinsically Safe (pending)	ED								
Canadian Standard Association – Explosion Proof	EE								
<b>Integral LCD</b>									
Digital LCD integral display	L1								
Backlit digital LCD integral display	L2								
<b>Surge</b>									
Surge/Transient Protector	(Note 8)	S1							
<b>Operating manual</b>									
German							M1		
<b>Labels &amp; tag language</b>									
German in stainless steel (not available with DIN Electronic Housing code J, K, W)							T1		
German and English plastic (not suitable for Factory Mutual - Explosion Proof)							TA		
<b>Additional tag plate</b>									
In stainless steel							I1		
<b>Certificates</b>									
Inspection certificate EN 10204–3.1.B of calibration								C1	
Inspection certificate EN 10204–3.1.B of the cleanliness stage according to DIN 25410								C3	
Inspection certificate EN 10204–3.1.B of helium leakage test of the sensor module								C4	
Inspection certificate EN 10204–3.1.B of the pressure test								C5	
Certificate of compliance with the order EN 10204–2.1 of instrument design								C6	
SIL2 - classification								CL	
<b>Material traceability</b>									
Certificate of compliance with the order EN 10204–2.1 of process wetted parts								H1	
Inspection certificate EN 10204–3.1.B of process wetted parts (small parts with certificate of compliance EN 10204)								H3	
Test report EN 10204-2.2 of the pressure bearing and process wetted parts								H4	
<b>Connector</b>									
Fieldbus 7/8in (without mating female plug)	Recommended for FOUNDATION Fieldbus	(Notes 7, 9)							U1
Fieldbus M12x1 (without mating female plug)	Recommended for PROFIBUS PA	(Notes 7, 9)							U2
Harting Han 8U – straight entry		(Notes 6, 9)							U3
Harting Han 8U – angle entry		(Notes 6, 10)							U4

Note 1: Suitable for oxygen service

Note 2: Suitable for food application

Note 3: Not available with mounting connection code A

Note 4: Not available with mounting connection code F

Note 5: Select type in additional ordering code

Note 6: Not available with Electronic Housing code G, W

Note 7: Not available with Electronic Housing code E, K

Note 8: Not available with ATEX-EEx nL (code E3) or PROFIBUS PA / FOUNDATION Fieldbus (code 2 or 3) with Intrinsic Safety EEx ia (code E1) or FM-Intrinsically Safe (code EA).

Note 9: Not available with Electronic housing code T, S, A, B, J, E.

Note 10: Not available with Electronic housing code T, S, A, B, J, K.

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### BASIC ORDERING INFORMATION model 265GJ Gauge Pressure Transmitter and model 265AJ Absolute Pressure Transmitter with direct mount seal (in-line)

Select one character or set of characters from each category and specify complete catalog number.

Refer to additional ordering information code and specify one or more codes for each transmitter if additional options are required.

BASE MODEL – 1 <sup>st</sup> to 5 <sup>th</sup> characters				X	X	X	X	X	X	X	Continued
Gauge Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%				2	6	5	G	J			
Absolute Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%				2	6	5	A	J			
SENSOR - Range/max Span – 6 <sup>th</sup> character											
1000kPa	10bar	145psi		D							
3000kPa	30bar	435psi		U							
10000kPa	100bar	1450psi	(only for 265GJ)	R							
60000kPa	600bar	8700psi	(only for 265GJ)	V							
Diaphragm material / Fill fluid – 7 <sup>th</sup> character											
Hastelloy C276™	Silicone oil			R							
Hastelloy C276™	Inert fluid			Z							
Hastelloy C276™	White oil										
Mounting connection – 8 <sup>th</sup> character											
DN25 / ASME 1in							A				
DN40 / ASME 1 1/2in							B				
DN50 / ASME 2in							C				
DN80 / ASME 3in							D				
Diaphragm material (seal) – 9 <sup>th</sup> character											
AISI 316L ss						NACE		R			
Hastelloy C276™						NACE		D			
Fill fluid – 10 <sup>th</sup> character											
Silicone oil									S		
Inert fluid			(Note 1)						N		
White oil (FDA approved)			(Note 2)						W		
Silicone oil vacuum proof design									L		
Housing material and electrical connection – 11 <sup>th</sup> character											
Aluminium alloy (Barrel version)		1/2 – 14 PT								A	
Aluminium alloy (Barrel version)		M20 x 1.5 (CM 20)				(Not available FM, CSA)				B	
Aluminium alloy (Barrel version)		Harting Han 8U connector				(Not available ATEX EExd, FM, CSA) (Note 3)				E	
Aluminium alloy (Barrel version)		Fieldbus connector				(Not available ATEX EExd, FM, CSA) (Note 3)				G	
AISI 316 L ss (Barrel version)		1/2 – 14 NPT								S	
AISI 316 L ss (Barrel version)		M20 x 1.5 (CM 20)				(Not available FM, CSA)				T	
Aluminium alloy (DIN version)		M20 x 1.5 (CM 20)				(Not available FM, CSA)				J	
Aluminium alloy (DIN version)		Harting Han 8U connector				(Not available ATEX EExd, FM, CSA) (Note 3)				K	
Aluminium alloy (DIN version)		Fieldbus connector				(Not available ATEX EExd, FM, CSA) (Note 3)				W	
Output/Additional options – 12 <sup>th</sup> character											
HART digital communication and 4 to 20mA		No additional options				(Notes 4, 5)				H	
HART digital communication and 4 to 20mA		Options requested (to be ordered by "Additional ordering code")				(Note 4)				1	
PROFIBUS PA		No additional options				(Notes 4, 5)				P	
PROFIBUS PA		Options requested (to be ordered by "Additional ordering code")				(Note 5)				2	
FOUNDATION Fieldbus		No additional options				(Notes 4, 5)				F	
FOUNDATION Fieldbus		Options requested (to be ordered by "Additional ordering code")				(Note 5)				3	

### Standard delivery items (can be differently specified by additional ordering code)

- General purpose (no Ex design)
- No meter/display, no mounting bracket, no surge protection
- English manual and labels (stainless steel nameplate for Barrel housing code A,B,E,G,S,T; plastic nameplate for DIN housing code J,K,W)
- Configuration with kPa and deg. C units
- No test, inspection or material traceability certificates

THE SELECTION OF SUITABLE WETTED PARTS AND FILLING FLUID FOR COMPATIBILITY WITH THE PROCESS MEDIA IS A CUSTOMER'S RESPONSIBILITY, IF NOT OTHERWISE NOTIFIED BEFORE MANUFACTURING.

**ADDITIONAL ORDERING INFORMATION for models 265GJ and 265AJ**

Add one or more 2-digit code(s) after the basic ordering information to select all required options

	XX	XX	XX	XX	XX	XX	XX	XX	XX
<b>Electrical certification</b>									
ATEX Group II Category 1/2 GD – Intrinsic Safety EEx ia	E1								
ATEX Group II Category 1/2 G – Flameproof EEx d	E2								
ATEX Group II Category 3 GD – Type of protection "N" EEx nL energy limited	E3								
Factory Mutual (FM) – Intrinsically Safe	EA								
Factory Mutual (FM) – Explosion Proof (only with 1/2 – 14 NPT electrical connection and stainless steel label)	EB								
Canadian Standard Association – Intrinsically Safe (pending)	ED								
Canadian Standard Association – Explosion Proof	EE								
<b>Integral LCD</b>									
Digital LCD integral display	L1								
Backlit digital LCD integral display	L2								
<b>Surge</b>									
Surge/Transient Protector	(Note 6)				S1				
<b>Operating manual</b>									
German								M1	
<b>Labels &amp; tag language</b>									
German in stainless steel (not available with DIN Electronic Housing code J, K, W)									T1
German and English plastic (not suitable for Factory Mutual - Explosion Proof)									TA
<b>Additional tag plate</b>									
In stainless steel									I1
<b>Certificates</b>									
Inspection certificate EN 10204–3.1.B of calibration									C1
Inspection certificate EN 10204–3.1.B of the cleanliness stage according to DIN 25410									C3
Inspection certificate EN 10204–3.1.B of helium leakage test of the sensor module									C4
Inspection certificate EN 10204–3.1.B of the pressure test									C5
Certificate of compliance with the order EN 10204–2.1 of instrument design									C6
SIL2 - classification									CL
<b>Material traceability</b>									
Certificate of compliance with the order EN 10204–2.1 of process wetted parts									H1
Inspection certificate EN 10204–3.1.B of process wetted parts (small parts with certificate of compliance EN 10204)									H3
Test report EN 10204-2.2 of the pressure bearing and process wetted parts									H4
<b>Connector</b>									
Fieldbus 7/8in (without mating female plug)	Recommended for FOUNDATION Fieldbus	(Notes 5, 7)							U1
Fieldbus M12x1 (without mating female plug)	Recommended for PROFIBUS PA	(Notes 5, 7)							U2
Harting Han 8U – straight entry		(Notes 4, 7)							U3
Harting Han 8U – angle entry		(Notes 4, 8)							U4

Note 1: Suitable for oxygen service

Note 2: Suitable for food application

Note 3: Select type in additional ordering code

Note 4: Not available with Electronic Housing code G, W

Note 5: Not available with Electronic Housing code E, K

Note 6: Not available with ATEX-EEx nL (code E3) or PROFIBUS PA / FOUNDATION Fieldbus (code 2 or 3) with Intrinsic Safety EEx ia (code E1) or FM-Intrinsically Safe (code EA).

Note 7: Not available with Electronic housing code T, S, A, B, J, E.

Note 8: Not available with Electronic housing code T, S, A, B, J, K.

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### BASIC ORDERING INFORMATION model 265GN Gauge Pressure Transmitter and model 265AN Absolute Pressure Transmitter with direct mount seal (miniature)

Select one character or set of characters from each category and specify complete catalog number.

Refer to additional ordering information code and specify one or more codes for each transmitter if additional options are required.

BASE MODEL – 1 <sup>st</sup> to 5 <sup>th</sup> characters				X	X	X	X	X	X	X	Continued
Gauge Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%				2	6	5	G	N			
Absolute Pressure Transmitter with direct mount seal – BASE ACCURACY 0.04%				2	6	5	A	N			
SENSOR - Range/max Span – 6 <sup>th</sup> character											
250kPa	2500mbar	1000inH <sub>2</sub> O		L							
1000kPa	10bar	145psi		D							
3000kPa	30bar	435psi		U							
10000kPa	100bar	1450psi	(only for 265GN)	R							
60000kPa	600bar	8700psi	(only for 265GN)	V							
Diaphragm material / Fill fluid (wetted parts) – 7 <sup>th</sup> character											
Hastelloy C276™	Silicone oil			R							
Hastelloy C276™	Inert fluid			2							
Hastelloy C276™	White oil			Z							
Mounting connection – 8 <sup>th</sup> character											
G 1 A - PN600								1			
G 1 1/2 A - PN600								2			
Diaphragm material (seal) – 9 <sup>th</sup> character											
AISI 316L ss				NACE				S			
Hastelloy C276™				NACE				H			
Fill fluid – 10 <sup>th</sup> character											
Silicone oil									S		
Inert fluid		(Note 1)							N		
White oil (FDA approved)		(Note 2)							W		
Silicone oil vacuum proof design									L		
Housing material and electrical connection – 11 <sup>th</sup> character											
Aluminium alloy (Barrel version)		1/2 – 14 NPT								A	
Aluminium alloy (Barrel version)		M20 x 1.5 (CM 20)	(Not available FM, CSA)							B	
Aluminium alloy (Barrel version)		Harting Han 8U connector	(Not available ATEX EExd, FM, CSA) (Note 3)							E	
Aluminium alloy (Barrel version)		Fieldbus connector	(Not available ATEX EExd, FM, CSA) (Note 3)							G	
AISI 316 L ss (Barrel version)		1/2 – 14 NPT								S	
AISI 316 L ss (Barrel version)		M20 x 1.5 (CM 20)	(Not available FM, CSA)							T	
Aluminium alloy (DIN version)		M20 x 1.5 (CM 20)	(Not available FM, CSA)							J	
Aluminium alloy (DIN version)		Harting Han 8U connector	(Not available ATEX EExd, FM, CSA) (Note 3)							K	
Aluminium alloy (DIN version)		Fieldbus connector	(Not available ATEX EExd, FM, CSA) (Note 3)							W	
Output/Additional options – 12 <sup>th</sup> character											
HART digital communication and 4 to 20mA		No additional options						(Notes 4, 5)		H	
HART digital communication and 4 to 20mA		Options requested (to be ordered by "Additional ordering code")						(Note 4)		1	
PROFIBUS PA		No additional options						(Notes 4, 5)		P	
PROFIBUS PA		Options requested (to be ordered by "Additional ordering code")						(Note 5)		2	
FOUNDATION Fieldbus		No additional options						(Notes 4, 5)		F	
FOUNDATION Fieldbus		Options requested (to be ordered by "Additional ordering code")						(Note 5)		3	

### Standard delivery items (can be differently specified by additional ordering code)

- General purpose (no Ex design)
- No meter/display, no mounting bracket, no surge protection
- English manual and labels (stainless steel nameplate for Barrel housing code A,B,E,G,S,T; plastic nameplate for DIN housing code J,K,W)
- Configuration with kPa and deg. C units
- No test, inspection or material traceability certificates

THE SELECTION OF SUITABLE WETTED PARTS AND FILLING FLUID FOR COMPATIBILITY WITH THE PROCESS MEDIA IS A CUSTOMER'S RESPONSIBILITY, IF NOT OTHERWISE NOTIFIED BEFORE MANUFACTURING.

**ADDITIONAL ORDERING INFORMATION for models 265GN and 265AN**

Add one or more 2-digit code(s) after the basic ordering information to select all required options

	XX	XX	XX	XX	XX	XX	XX	XX	XX
<b>Electrical certification</b>									
ATEX Group II Category 1/2 GD – Intrinsic Safety EEx ia	E1								
ATEX Group II Category 1/2 G – Flameproof EEx d	E2								
ATEX Group II Category 3 GD – Type of protection "N" EEx nL energy limited	E3								
Factory Mutual (FM) – Intrinsically Safe	EA								
Factory Mutual (FM) – Explosion Proof (only with 1/2 – 14 NPT electrical connection and stainless steel label)	EB								
Canadian Standard Association – Intrinsically Safe (pending)	ED								
Canadian Standard Association – Explosion Proof	EE								
<b>Integral LCD</b>									
Digital LCD integral display	L1								
Backlit digital LCD integral display	L2								
<b>Surge</b>									
Surge/Transient Protector	(Note 6)							S1	
<b>Operating manual</b>									
German									M1
<b>Labels &amp; tag language</b>									
German in stainless steel (not available with DIN Electronic Housing code J, K, W)									T1
German and English plastic (not suitable for Factory Mutual - Explosion Proof)									TA
<b>Additional tag plate</b>									
In stainless steel									I1
<b>Certificates</b>									
Inspection certificate EN 10204–3.1.B of calibration									C1
Inspection certificate EN 10204–3.1.B of the cleanliness stage according to DIN 25410									C3
Inspection certificate EN 10204–3.1.B of helium leakage test of the sensor module									C4
Inspection certificate EN 10204–3.1.B of the pressure test									C5
Certificate of compliance with the order EN 10204–2.1 of instrument design									C6
SIL2 - classification									CL
<b>Material traceability</b>									
Certificate of compliance with the order EN 10204–2.1 of process wetted parts									H1
Inspection certificate EN 10204–3.1.B of process wetted parts (small parts with certificate of compliance EN 10204)									H3
Test report EN 10204-2.2 of the pressure bearing and process wetted parts									H4
<b>Connector</b>									
Fieldbus 7/8in (without mating female plug)	Recommended for FOUNDATION Fieldbus					(Notes 5, 7)			U1
Fieldbus M12x1 (without mating female plug)	Recommended for PROFIBUS PA					(Notes 5, 7)			U2
Harting Han 8U – straight entry						(Notes 4, 7)			U3
Harting Han 8U – angle entry						(Notes 4, 8)			U4

Note 1: Suitable for oxygen service

Note 2: Suitable for food application

Note 3: Select type in additional ordering code

Note 4: Not available with Electronic Housing code G, W

Note 5: Not available with Electronic Housing code E, K

Note 6: Not available with ATEX-EEx nL (code E3) or PROFIBUS PA / FOUNDATION Fieldbus (code 2 or 3) with Intrinsic Safety EEx ia (code E1) or FM-Intrinsically Safe (code EA).

Note 7: Not available with Electronic housing code T, S, A, B, J, E.

Note 8: Not available with Electronic housing code T, S, A, B, J, K.

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