



DMP 331i DMP 333i

Precision Pressure Transmitter

Stainless Steel Sensor

accuracy according to IEC 60770: 0.1 % FSO

Nominal pressure

from 0 ... 400 mbar up to 0 ... 600 bar

Output signal

2-wire: 4 ... 20 mA 3-wire: 0 ... 10 V others on request

Product characteristics

- thermal error in compensated range -20 ... 80 °C: 0.2 % FSO TC 0.02 % FSO / 10K
- Turn-Down 1:10
- communication interface for adjusting of offset, span and damping

Optional versions

- IS-versions
 Ex ia = intrinsically safe for gases and dusts
- adjustment of nominal pressure ranges (factory-provided)

The precision pressure transmitter DMP 331i and DMP 333i demonstrate the further development of our industrial pressure transmitters.

The signal processing of sensor signal is done by digital electronics with 16-bit analogue digital converter. Consequently, it is possible to conduct an active compensation and the transmitters with excellent measurements and exceptionally attractive price to offer on the market.

Preferred areas of use are



Laboratory techniques

Energy production (gas consumption and thermal energy measurement)



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DMP 331i / DMP 333i

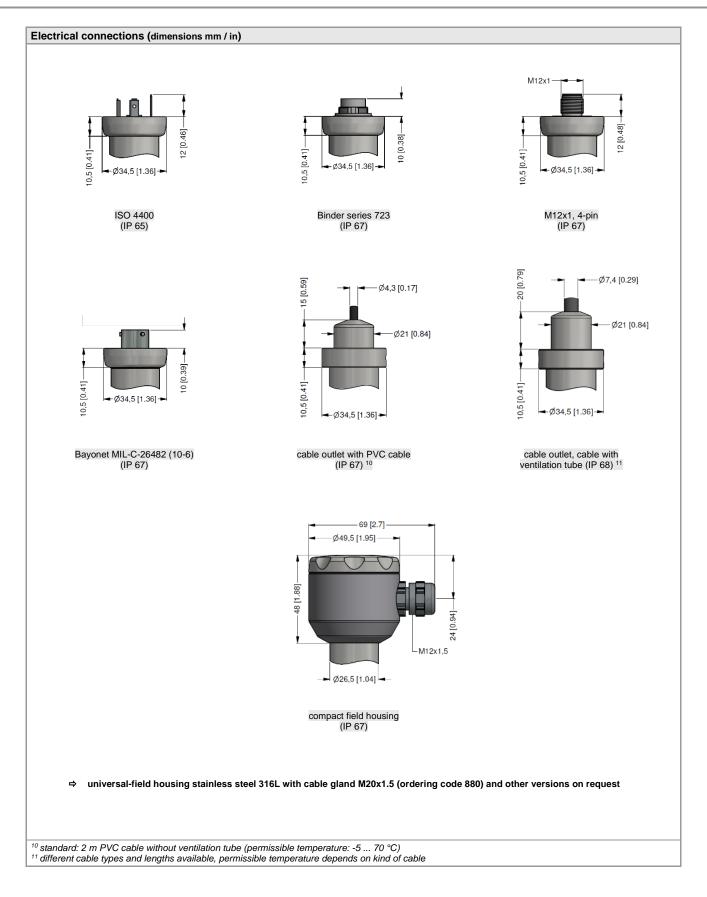
Precision Pressure Transmitter

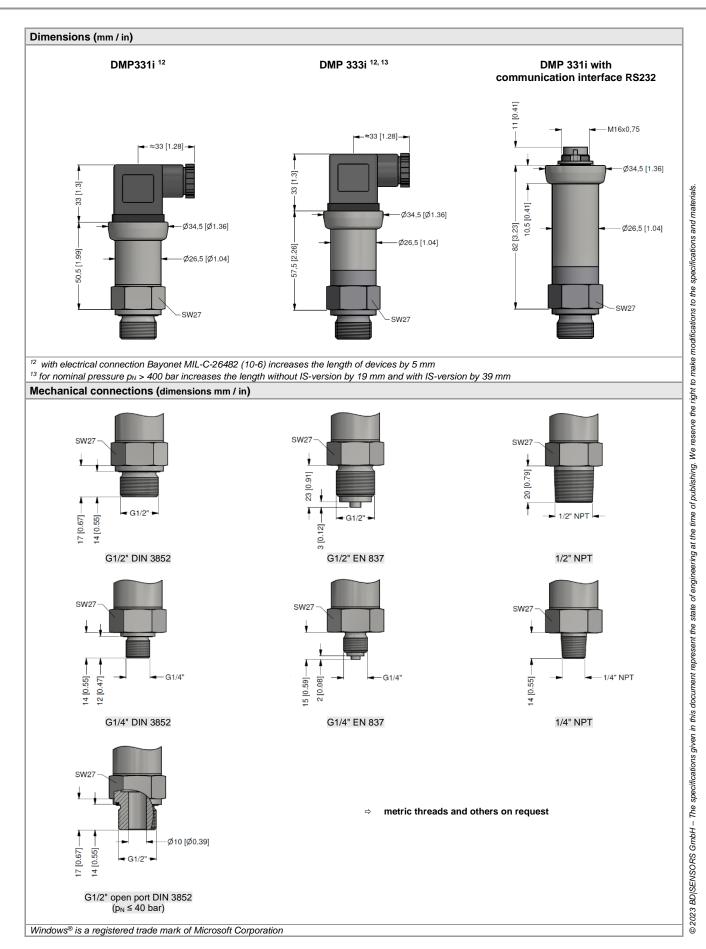
Pressure ranges DMP 331i ¹	1								
Nominal pressure		0.1	4	0	4	40	00	40	00
gauge / absolute	[bar]	0.4	1	2	4	10	20	40	60
Overpressure	[bar]	2	5	10	20	40	80	105	105
Burst pressure	[bar]	3	7.5	15	25	50	120	210	210
Vacuum ranges									
Nominal pressure gauge	[bar]	-0.4	0.4	-1 1		-1 2	-1 4	-	1 10
Overpressure	[bar]		2	5		10	20		40
Burst pressure	[bar]	:	3	7.5		15	25	50	
Pressure ranges DMP 333i ¹	1								
Nominal pressure			100		000		400	0	20
gauge / absolute	[bar]		100		200		400	60	00
Overpressure	[bar]		210		600		1000	10	00
Burst pressure	[bar]		420		1000		1250	12	50
¹ on customer request we adjust th	he devi	ce within the	ə turn-down-	possibility by s	oftware on the	required press	sure range		
Output signal / Supply									
Standard		2-wire:	4 20 mA	/ V _S = 12	2 36 Vnc				
Option IS-version			4 20 mA		-				
Options analogue signal		-	4 20 mA	. 0	mmunication	n interface 2			
,			0 10 V		4 36 V _{DC}				
			0 10 V	-	mmunication	n interface 2			
² only possible with el. connection	Binder	series 723	(7 - pin)						
Performance									
Accuracy		IEC 6077	$0^{3} \le \pm 0.1$	% FSO					
performance after turn-down									
- TD ≤			e of accura						
- TD >		for calculation use the following formula (for nominal pressure ranges \leq 0.40 bar see note 4):							
		-		n-down] % F					
				ninal pressur	0				
						cy is calculate			
Dama ia sikia ia si				,		≤ ± 0.25 % F		1010	
Permissible load				$= [(V_S - V_{S min})]$) / 0.02 AJ Ω		oltage 3-wire: R		
Influence effects			05 % FSO				oad: 0.05 % FS	Ο / κΩ	
Long term stability			,	% FSO / yea	ar at referen	ce conditions			
Response time		approx. 5				(- ()	5)	
Adjustability (with option communication interface RS23		 electro offset: 	onic dampir 0 90 %	ng: 0 100 s FSO		(interface / s	oftware necessa	ary °):	
³ accuracy according to IEC 60770				n: max. 1:10	rania ranaatak	1114 . A			
⁴ except nominal pressure ranges				naarity hystar					
	≥ 0.40) bar; tor the	ese calculatio	nearity, hyster on of accuracy	is as follows:	uiity)			
$\leq \pm (0.1 + 0.02 \text{ x turn-down}) \% F_{s}^{3}$	SO e.g.	. turn-down	ese calculation of 1:3: $\leq \pm ($	on of accuracy 0.1 + 0.02 x 3 ,	is as follows:) % FSO i.e. a	ccuracy is $\leq \pm 0$			
$\leq \pm (0.1 + 0.02 \text{ x turn-down}) \% Fs^{5}$ software, interface, and cable ha	SO e.g. ave to be	. turn-down	ese calculation of 1:3: $\leq \pm ($	on of accuracy 0.1 + 0.02 x 3 ,	is as follows:) % FSO i.e. a	ccuracy is $\leq \pm 0$		0 or higher, and	IXP)
≤ ± (0.1 + 0.02 x turn-down) % F3 ⁵ software, interface, and cable ha Thermal effects (offset and s	SO e.g. ave to be span)	. turn-down e ordered s	ese calculation of 1:3: $\leq \pm ($ parately (so	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (bws [®] 95, 98, 20	00, NT Version 4.0		XP)
$\leq \pm (0.1 + 0.02 \text{ x turn-down}) \% F3$ 5 software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F	SO e.g. ave to be span) FSO]	. turn-down e ordered s ≤ ± (0.2 x	ese calculation of 1:3: $\leq \pm (n)$ eparately (so	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	1 XP)
$\leq \pm (0.1 + 0.02 \text{ x turn-down}) \% F3$ ⁵ software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F	SO e.g. ave to be span) FSO]	. turn-down e ordered s ≤ ± (0.2 x	ese calculation of 1:3: $\leq \pm (n)$ eparately (so	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0	20 80 °C	' XP)
$\leq \pm (0.1 + 0.02 \text{ x turn-down}) \% F3$ 5 software, interface, and cable has Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1	SO e.g. ave to be span) FSO]	. turn-down e ordered s ≤ ± (0.2 x	ese calculation of 1:3: $\leq \pm (n)$ eparately (so	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	I XP)
$\leq \pm (0.1 + 0.02 \times turn-down) \% F3$ $\frac{5}{5}$ software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F	50 e.g. ave to be span) FSO] 10 K]	. turn-down e ordered s ≤ ± (0.2 x	ese calculatio of 1:3: ≤ ± (eparately (so turn-down) turn-down)	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	1 XP)
$\leq \pm (0.1 \pm 0.02 \text{ x turn-down}) \% F3$ 5° software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium	50 e.g. ave to be span) FSO] 10 K]	. turn-down e ordered s ≤ ± (0.2 x ± (0.02 x t	ese calculation of 1:3: ≤ ± (eparately (so turn-down) turn-down)	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	(XP)
$\leq \pm (0.1 \pm 0.02 \text{ x turn-down}) \% F3$ 5° software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment	50 e.g. ave to be span) FSO] 10 K]	. turn-down e ordered s ≤ ± (0.2 x ± (0.02 x t -25 125	ese calculation of 1:3: $\leq \pm (i)$ eparately (so turn-down) turn-down) 5°C 5°C	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	(XP)
$\leq \pm (0.1 \pm 0.02 \times turn-down) \% F3$ 5° software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage	50 e.g. ave to be span) FSO] 10 K]	. turn-down e ordered si ≤ ± (0.2 x ± (0.02 x -25 125 -25 85	ese calculation of 1:3: $\leq \pm (i)$ eparately (so turn-down) turn-down) 5°C 5°C	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	(<i>XP</i>)
$\leq \pm (0.1 + 0.02 \times turn-down) \% F3$ 5° software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures	50 e.g. ave to be span) FSO] 10 K]	. turn-down e ordered si ≤ ± (0.2 x ± (0.02 x -25 125 -25 85	ese calculations of 1:3: ≤ ± (eparately (so turn-down) turn-down) 5°C 5°C 5°C	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	(<i>XP</i>)
$\leq \pm (0.1 + 0.02 \times turn-down) \% F3$ 5 software, interface, and cable has Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Short-circuit protection	50 e.g. ave to be span) FSO] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x t -25 125 -25 85 -40 100 permaner	ese calculations of 1:3: ≤ ± (eparately (so turn-down) turn-down) 5°C 5°C 5°C 1°C 1°C	on of accuracy 0.1 + 0.02 x 3 , ftware appropi	is as follows:) % FSO i.e. a	ccuracy is ≤ ± (ows [®] 95, 98, 20 in compe	00, NT Version 4.0 ensated range -2	20 80 °C	(<i>XP</i>)
$\leq \pm (0.1 + 0.02 \times turn-down) \% F3$ 5 software, interface, and cable har Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Short-circuit protection Reverse polarity protection	SO e.g. ave to be span) FSO] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x t -25 125 -25 85 -40 100 permaner no damag	ese calculation of 1:3: ≤ ± (eparately (so turn-down) turn-down) 5°C 5°C 5°C 5°C 10°C 10°C 110°C 110°C 110°C 110°C	n of accuracy 0.1 + 0.02 x 3 ; ftware appropri- ftware appropri- no function	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 wws [®] 95, 98, 20 in compe in compe	00, NT Version 4.0 ensated range -2	20 80 °C	(XP)
$\leq \pm (0.1 + 0.02 \times turn-down) \% F3$ software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Short-circuit protection Reverse polarity protection Electromagnetic compatibility	SO e.g. ave to be span) FSO] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x t -25 125 -25 85 -40 100 permaner no damag	ese calculation of 1:3: ≤ ± (eparately (so turn-down) turn-down) 5°C 5°C 5°C 5°C 10°C 10°C 110°C 110°C 110°C 110°C	on of accuracy 0.1 + 0.02 x 3 , ftware appropr	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 wws [®] 95, 98, 20 in compe in compe	00, NT Version 4.0 ensated range -2	20 80 °C	' <i>XP</i>)
<pre>≤ ± (0.1 + 0.02 x turn-down) % F3 software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Reverse polarity protection Electromagnetic compatibility Materials</pre>	SO e.g. ave to be span) FSO] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x 1 -25 125 -25 85 -40 100 permaner no damag emission	ese calculation of 1:3: $\leq \pm (ieparately (soturn-down)turn-down)seCseCseCseCseCseCseCseCseCseC$	n of accuracy 0.1 + 0.02 x 3 , ftware appropri- ftware appropri- no function ity according	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 wws [®] 95, 98, 20 in compe in compe	00, NT Version 4.0 ensated range -2	20 80 °C	' <i>XP</i>)
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$\leq \pm (0.1 + 0.02 \times turn-down) \% F3$ software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Reverse polarity protection Reverse polarity protection Electromagnetic compatibility Materials Pressure port Housing	SO e.g. ave to be span) FSO] 10 K] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x 1 -25 125 -25 85 -40 100 permaner no damag emission stainless	ese calculation of 1:3: $\leq \pm (i)$ eparately (sco turn-down) turn-down) sec geC geC geC geC geC geC geC geC geC geC	n of accuracy 0.1 + 0.02 x 3 ftware appropri- ftware appropri- ity according 4 (316 L) 4 (316 L)	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 bws® 95, 98, 20 in compe in compe	00, NT Version 4.	20 80 °C 20 80 °C	
<pre>≤ ± (0.1 + 0.02 x turn-down) % F3 software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Reverse polarity protection Electromagnetic compatibility Materials Pressure port Housing Option compact field housing</pre>	SO e.g. ave to be span) FSO] 10 K] 10 K]	 turn-down e ordered so ≤ ± (0.2 x ± (0.02 x 1 -25 125 -25 85 -40 100 permaner no damag emission stainless stainless stainl	ese calculation of 1:3: $\leq \pm (i)$ eparately (sco turn-down) turn-down) sec geC geC geC geC geC geC geC geC geC geC	n of accuracy 0.1 + 0.02 x 3 ftware appropri- ftware appropri- ity according 4 (316 L) 4 (316 L)	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 bws® 95, 98, 20 in compe in compe	00, NT Version 4.0 ensated range -2	20 80 °C 20 80 °C	
$\leq \pm (0.1 + 0.02 \times turn-down) \% F3$ ≤ 5 software, interface, and cable har Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection	SO e.g. ave to be span) FSO] 10 K] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x 1 -25 125 -25 85 -40 100 permaner no damag emission stainless s stainless s stainless s	ese calculation of 1:3: $\leq \pm (i)$ eparately (sco turn-down) turn-down) sec geC geC geC geC geC geC geC geC geC geC	n of accuracy 0.1 + 0.02 x 3 ftware appropri- ftware appropri- ity according 4 (316 L) 4 (316 L)	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 bws® 95, 98, 20 in compe in compe	00, NT Version 4.	20 80 °C 20 80 °C	
<pre>≤ ± (0.1 + 0.02 x turn-down) % F3 ⁵ software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Reverse polarity protection Electromagnetic compatibility Materials Pressure port Housing Option compact field housing</pre>	SO e.g. ave to be span) FSO] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x 1 -25 125 -25 85 -40 100 permaner no damag emission stainless s stainless s stainless s fKM NBR	ese calculation of 1:3: $\leq \pm (ieparately (soturn-down)turn-down)secsecsecsecsecsecsecsecsecsec$	n of accuracy 0.1 + 0.02 x 3 ftware appropri- ftware appropri- ity according 4 (316 L) 4 (316 L)	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 in compe in compe	00, NT Version 4.	20 80 °C 20 80 °C	
<pre>≤ ± (0.1 + 0.02 x turn-down) % F3 ⁵ software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Reverse polarity protection Electromagnetic compatibility Materials Pressure port Housing Option compact field housing Seals</pre>	SO e.g. ave to be span) FSO] 10 K]	. turn-down e ordered so ≤ ± (0.2 x ± (0.02 x 1 -25 125 -25 85 -40 100 permaner no damag emission stainless s stainless s stainless s stainless s stainless s	ese calculation of 1:3: $\leq \pm$ (eparately (so turn-down) surn-down) so c c c c c c c c c c c c c c c c c c	n of accuracy 0.1 + 0.02 x 3 , ftware appropri- ftware appropri- ity according 4 (316 L) 4 (316 L) 1 (304); cab	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 in compe in compe	00, NT Version 4.	20 80 °C 20 80 °C	
<pre>≤ ± (0.1 + 0.02 x turn-down) % F3 ⁵ software, interface, and cable ha Thermal effects (offset and s Tolerance band [% F TC, average [% FSO / 1 Permissible temperatures Medium Electronics / environment Storage Electrical protection Reverse polarity protection Electromagnetic compatibility Materials Pressure port Housing Option compact field housing</pre>	SO e.g. ave to be span) FSO] 10 K] 10 K]	 turn-down e ordered si ≤ ± (0.2 x ± (0.02 x 1 -25 125 -25 85 -40 100 permaner no damage emission stainless si 	ese calculation of 1:3: $\leq \pm (ieparately (soturn-down)turn-down)secsecsecsecsecsecsecsecsecsec$	n of accuracy 0.1 + 0.02 x 3 , ftware appropri- ftware appropri- ity according 4 (316 L) 4 (316 L) 1 (304); cab 5 (316L)	is as follows:) % FSO i.e. a riate for Windo	ccuracy is ≤ ± 0 in compe in compe	00, NT Version 4.	20 80 °C 20 80 °C	

Precision Pressure Transmitter

Mechanical stability									
Vibration	10 g RMS (20 2000 Hz) according to DIN EN 60068-2-6								
Shock	100 g / 11 msec. according to DIN EN 60068-2-27								
Explosion protection (only for 4	-			<u> </u>					
Approvals DX19-DMP 331i DX19-DMP 333i	IBExU 10 ATEX 10 zone 0: II 1	68 X / IECEx IBE IG Ex ia IIC T4 Ga ID Ex ia IIIC T135 °C							
Safety technical max. values	U _i = 28 V, I _i = 93 m/	$U_i = 28 \text{ V}, I_i = 93 \text{ mA}, P_i = 660 \text{ mW}, C_i \approx 0 \text{ nF}, L_i \approx 0 \mu\text{H},$ the supply connections have an inner capacity of max. 27 nF to the housing							
Permissible temperatures for environment	in zone 1 or higher:	in zone 1 or higher: -40/-20 65 °C							
Connecting cables	cable capacitance:								
(by factory)	cable inductance:	signal line/shield	also signal line/sigr	al line: 1µH/m					
Miscellaneous		t	25 4						
Current consumption	signal output current: max. 25 mA signal output voltage: max. 7 mA								
Weight		approx. 200 g							
Installation position	any ⁷	1							
Operational life	100 million load cyc	ies	20/511						
CE-conformity	EMC Directive: Pressure Equipmen		30/EU 68/EU (module A) ⁸						
ATEX Directive ⁷ Pressure transmitters are calibrated ir	2014/34/EU	he pressure connection	down If this position	s changed on installeti-	n there can b	na sliaht			
 Pressure transmitters are calibrated in deviations in the zero point for pressu. ⁸ This directive is only valid for devices 	re ranges p _N ≤ 1 bar.			s changed on installatio	n inere can i	be slight			
Wiring diagrams									
2-wire-system (current)		3-wir	e-system (voltage)						
p A A A Supply + A A A A A A A A A A A A A A A A A A	• + ∨s • -		supply +	~ + Vs					
Pin configuration									
Electrical connections		Binder 723 (5-pin)	Binder 723/423 (7-pin) 2 2 1 7 6	M12x1 / metal (4-pin)	26482	t MIL-C- (10-6) F			
Supply +	1	3	3	1	2-wire A	A			
Supply –	2	4	1	2	B	D			
Signal + (only for 3-wire)	3	1	6	3	-	В			
Communication RxD	-		4						
interface TxD RS232 ⁹ GND	-	-	5 7	-	-	-			
Shield	ground contact 🕀	5	2	4	pressu	- ire port			
⁹ may not be transmitted directly with th		er is available as acces	sory)	· · · · · · · · · · · · · · · · · · ·					
Electrical connections	compa	act field housing							
	Cable colours (IEC 6) V _{S+} V _{S-} S+ GND				C 60757)				
. .		V _s +		WH (white) BN (brown) GN (green)					
Supply + Supply – Signal + (only for 3-wire)		V _s - S+		,	,				

Precision Pressure Transmitter







DMPi_E_310123

BD	S	E	N	S		R	S
			pres	sure	mea	surer	nent

Order	ring code DMP 3	31i / DMP 333i		
DMP 331i / DMP 333i			- 🛛 - 🔲 🏹	
Pressure For DMP 331i				
gauge absolute For DMP 333i gauge ¹ absolute	1 1 0 1 1 1 1 3 0 1 3 1			
Input [mH ₂ O] [bar] For DMP 3311 ²				
$\begin{array}{cccc} & 4 & 0.40 \\ & 10 & 1.0 \\ & 20 & 2.0 \\ & 40 & 4.0 \\ & 100 & 10 \\ & 200 & 20 \\ & 400 & 40 \\ & 600 & 60 \end{array}$	$\begin{array}{ccccc} 4 & 0 & 0 & 0 \\ 1 & 0 & 0 & 1 \\ 2 & 0 & 0 & 1 \\ 4 & 0 & 0 & 1 \\ 1 & 0 & 0 & 2 \\ 2 & 0 & 0 & 2 \\ 4 & 0 & 0 & 2 \\ 6 & 0 & 0 & 2 \end{array}$			
For DMP 3331 ² 100 200 400 000	$\begin{array}{ccccc} 1 & 0 & 0 & 3 \\ 2 & 0 & 0 & 3 \\ 4 & 0 & 0 & 3 \\ 6 & 0 & 0 & 3 \end{array}$			
600 For DMP 331i -0.40 0.40 -1 1 -1 2 -1 4 -1 10	0 S 4 0 0 S 1 0 2 V 2 0 2 V 4 0 2 V 4 0 2 V 1 0 3			
Customer Output 4 20 mA / 2-wire				consult
4 20 mA / 2-wire intrinsic safety 4 20 mA / 2-wire 0 10 V / 3-wire customer	1 E 3 9			consult
Accuracy (at nominal pressure) 0.1 % FSO customer		1		consult
male and female plug ISO 4400 male plug Binder series 723 (5-pin) male plug Binder series 723 (7-pin) and female plug Binder series 423 (7-pin) male plug M12x1 (4-pin) / metal - for analog output male plug M12x1 (4-pin) / metal - for digital output Bayonet MIL-C-26482 (10-6); 2 wire Bayonet MIL-C-26482 (10-6); 3 wire cable outlet with PVC cable (IP67) ³ cable outlet, cable with ventilation tube (IP68) ⁴ compact field housing stainless steel 1.4301 (304) customer		1 0 0 2 0 0 A 0 0 M 1 0 M 1 3 B G 0 B G 4 T A 0 T R 0 8 5 9 9 9 9		consult consult
Mechanical connection G1/2" DIN 3852 G1/2" DIN 3852 G1/2" EN 837 G1/4" DIN 3852 G1/4" EN 837 G1/2" DIN 3852 with flush sensor 5 G1/2" DIN 3852 open pressure port 5 1/2" NPT 1/2" NPT 1/4" NPT customer		1 0 0 2 0 0 3 0 0 4 0 0 F 0 0 H 0 0 N 0 0 N 0 0 N 4 0 9 9 9		consult
Seal For DMP 331i		3 3 3		
FKM without (welded version) ^{5, 6} For DMP 333i FKM	6		1 2 1	
NBR customer Special version			5	consult
communication interface RS232 7 customer			1 1 1 1 2 1 9 9 9	consult
¹ measurement starts with ambient pressure ² pressure ranges ≤ 60 bar as DMP 331i; pressure ranges > 60 bar as DM ³ standard: 2 m PVC cable without ventilation tube (permissible temperatur ⁵ code TR0 = PVC cable, cable with ventilation tube available in different to ⁵ only possible for DMP 331i and $p_N \le 40$ bar ⁹ welded version only with pressure ports according to EN 837 and NPT ⁷ communication interface RS232 only possible with electrical connection IN Software, Interface and cable for DMP 331i and DMP 333i with option RS (ordering code: CIS-G; software appropriate for Windows [®] 95, 98, 2000, Windows [®] is a registrated trademark of Microsoft Corporation	ire: -5 70 °C); others on request types and lengths Binder serie 723/423 (7 pin) S232 have to be order separately			consult consult consult 31.01.2023

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