

# 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 gauges (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)





# DMP 331i / DMP 333i

Precision Pressure Transmitter

	1								
Pressure ranges DMP 331 i									
Nominal pressure	[bar] 0.4	1	2	4	10	20	40	60	
gauge / absolute	[bar]		10			00	105	105	
Overpressure	• •			20	40	80	105	105	
Burst pressure	[bar] 3	7.5	15	25	50	120	210 210		
/acuum ranges									
Nominal pressure	[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		
	[bui]	0	7.0		10	20		00	
Pressure ranges DMP 333 i	1								
Nominal pressure	[bar][	100		200		400	6	00	
gauge / absolute	bar]	100		200		100	600		
Overpressure	[bar]	210		600		1000	10	00	
Burst pressure	[bar]	420		1000		1250	12	50	
<sup>1</sup> On customer request we adjust t	the device within	the turn-down-p	ossibility by s	oftware on the	e required press	sure range.			
Output simpl / Cumplu									
Output signal / Supply	0	4 00 1		2 26 14					
Standard	2-wire:	4 20 mA							
Option IS-protection	2-wire:								
Options analogue signal	2-wire:	4 20 mA			rface <sup>2</sup>				
	3-wire:	0 10 V		4 36 V <sub>DC</sub>	0				
		0 10 V w	ith communi	cation interf	ace <sup>2</sup>				
<sup>2</sup> only possible with el. connection	Binder series 72	3 (7-pin)							
Performance									
Accuracy	IEC 607	70 <sup>3</sup> : ≤ ± 0.1 <sup>°</sup>	% FSO						
performance after turn-down									
periormance alter turn-down - TD ≤	< 1.E no obor	as of assura							
- TD - - TD >		ge of accurac	•						
- 10 -					iominal press	ure ranges ≤ 0.4	40 bar see no	te 4):	
		+ 0.015 x turi							
	with tur	n-down = nom	ninal pressur	e range / ad	justed range				
	e.g. witl	n a turn-down	of 1:10 follo	wing accura	cy is calculat	ed:			
		+ 0.015 x 10)							
Permissible load		2-wire: R <sub>max</sub>							
		3-wire: R <sub>min</sub> :		· 1					
Influence effects	supply:		% FSO / 10	V					
	load:		% FSO / kΩ						
Long term stability		x turn-down)			ce conditions				
Response time	approx.		,51 007 ye		00 001010115				
•			ing noromo	toro noosible	(interface / c	offware peece	on (5);		
Adjustability					e (interface / s	oftware necess	ary").		
		onic damping: 090 % FS							
2		own of span:							
<sup>3</sup> accuracy according to IEC 60770				esis, repeatab	ility)				
<sup>4</sup> except nominal pressure ranges	: ≤ 0 .40 bar; for t	nese calculatior	a of a coursely		m(y)				
				is as follows:	• /				
$\leq \pm (0.1 + 0.02 \text{ x turn-down}) \% F$	SO e.g. turn-dow	n of 1:3: $\leq \pm (0.$	$(1 + 0.02 \times 3)$	is as follows: % FSO i.e. a	ccuracv is ≤ ± 0	16 % FSO	or higher		
<sup>5</sup> software, interface, and cable ha	ave to be ordered	separately (soft	.1 + 0.02 x 3 ) tware appropr	is as follows: % FSO i.e. a	ccuracv is ≤ ± 0	0.16 % FSO 00, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and	ave to be ordered Span) / Permi	separately (soft	.1 + 0.02 x 3 ) tware appropr <b>ratures</b>	is as follows: % FSO i.e. a	ccuracv is ≤ ± 0	0.16 % FSO 00, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and	ave to be ordered <b>Span) / Permi</b> FSO]	separately (soft ssible tempe	.1 + 0.02 x 3 ) tware appropr ratures	is as follows: % FSO i.e. a	ccuracv is ≤ ± 0	9.16 % FSO 90, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha <b>Thermal effects (Offset and</b> Tolerance band [%	ave to be ordered <b>Span) / Permi</b> FSO] ≤ ± (0.2 in comp	separately (soft ssible tempe x turn-down)	.1 + 0.02 x 3 ) tware appropr ratures	is as follows: % FSO i.e. a iate for Windo	ccuracv is ≤ ± 0	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and	ave to be ordered <b>Span) / Permi</b> FSO] ≤ ± (0.2 in comp 10 K] ± (0.02	separately (soft ssible tempe x turn-down) eensated rang	1 + 0.02 x 3 ) tware appropr <b>ratures</b> e -20	is as follows: % FSO i.e. a iate for Windo 80 °C	ccuracv is ≤ ± 0	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha         Thermal effects (Offset and         Tolerance band       [%         TC, average       [% FSO /	ave to be orderedSpan) / PermiFSO]≤ ± (0.2in comp10 K]± (0.02in comp	separately (soft ssible tempe x turn-down) eensated rang x turn-down) eensated rang	1 + 0.02 x 3 ) tware appropr ratures e -20 e -20	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C	ccuracv is ≤ ± 0	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha         Thermal effects (Offset and         Tolerance band       [%         TC, average       [% FSO /	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium	separately (soft ssible tempe x turn-down) ensated rang x turn-down) ensated rang	1 + 0.02 x 3 ) tware appropr ratures e -20 e -20 -25	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C	ccuracv is ≤ ± 0	0.16 % FSO 00, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO /	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang i: i: iics / environn	1 + 0.02 x 3) tware appropr ratures e -20 e -20 -25 nent: -25	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 85 °C	ccuracv is ≤ ± 0	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang i: i: iics / environn	1 + 0.02 x 3) tware appropr ratures e -20 e -20 -25 nent: -25	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C	ccuracv is ≤ ± 0	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures Electrical protection	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage	separately (soft ssible tempe x turn-down) pensated rang x turn-down) pensated rang i: ics / environn :	1 + 0.02 x 3) tware appropr ratures e -20 e -20 -25 nent: -25	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 85 °C	ccuracv is ≤ ± 0	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<ul> <li>software, interface, and cable ha</li> <li>Thermal effects (Offset and Tolerance band [%</li> <li>TC, average [% FSO /</li> <li>Permissible temperatures</li> <li>Electrical protection</li> <li>Short-circuit protection</li> </ul>	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent	1 + 0.02 x 3) tware appropr ratures e -20 e -20 e -20 -25 nent: -25 -40	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 85 °C	ccuracv is ≤ ± 0	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures Electrical protection Short-circuit protection Reverse polarity protection	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman	separately (soft ssible tempe x turn-down) pensated rang x turn-down) pensated rang i: ics / environn :	1 + 0.02 x 3) tware appropr ratures e -20 e -20 e -20 -25 nent: -25 -40	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 85 °C	ccuracv is ≤ ± 0	2.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures Electrical protection Short-circuit protection Reverse polarity protection Electromagnetic	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam	separately (soft ssible tempe x turn-down) pensated rang x turn-down) ensated rang t: nics / environn : ent age, but also	1 + 0.02 x 3)         tware appropring         ratures         e       -20         e       -20         e       -20         -25       -25         nent:       -25         -40       -40	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures Electrical protection Short-circuit protection Reverse polarity protection Electromagnetic	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent	1 + 0.02 x 3)         tware appropring         ratures         e       -20         e       -20         e       -20         -25       -25         nent:       -25         -40       -40	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	2.16 % FSO 00, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures Electrical protection Short-circuit protection Reverse polarity protection Electromagnetic compatibility	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam	separately (soft ssible tempe x turn-down) pensated rang x turn-down) ensated rang t: nics / environn : ent age, but also	1 + 0.02 x 3)         tware appropring         ratures         e       -20         e       -20         e       -20         -25       -25         nent:       -25         -40       -40	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<ul> <li><sup>5</sup> software, interface, and cable ha</li> <li>Thermal effects (Offset and Tolerance band [%</li> <li>TC, average [% FSO /</li> <li>Permissible temperatures</li> <li>Electrical protection</li> <li>Short-circuit protection</li> <li>Reverse polarity protection</li> <li>Electromagnetic</li> <li>compatibility</li> <li>Materials</li> </ul>	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam emissio	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent age, but also n and immuni	1 + 0.02 x 3) tware appropr ratures e -20 e -20 e -20 -25 nent: -25 -40 no function ity according	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	9.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures Electrical protection Short-circuit protection Reverse polarity protection Electromagnetic compatibility Materials Pressure port	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam emission stainles	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent age, but also n and immuni s steel 1.4404	1 + 0.02 x 3) tware appropr ratures e -20 e -20 e -20 -25 nent: -25 -40 no function ity according 4 (316 L)	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	2.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
<sup>5</sup> software, interface, and cable ha Thermal effects (Offset and Tolerance band [% TC, average [% FSO / Permissible temperatures Electrical protection Reverse polarity protection Electromagnetic compatibility Materials Pressure port Housing	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam emission stainles stainles	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent age, but also n and immuni s steel 1.4404 s steel 1.4404	1 + 0.02 x 3) tware appropr ratures e -20 e -20 e -20 -25 nent: -25 -40 no function ity according 4 (316 L)	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	2.16 % FSO 20, NT Version 4.0	) or higher, and	XP)	
* software, interface, and cable ha         Thermal effects (Offset and         Tolerance band       [%         TC, average       [% FSO /         Permissible temperatures         Electrical protection         Short-circuit protection         Reverse polarity protection         Electromagnetic         compatibility         Materials         Pressure port         Housing	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam emissio stainles stainles FKM; N	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent age, but also n and immuni s steel 1.4404 s steel 1.4404 BR	1 + 0.02 x 3) tware appropr ratures e -20 e -20 e -20 -25 nent: -25 -40 no function ity according 4 (316 L)	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	00, NT Version 4.0		XP)	
* software, interface, and cable ha         Thermal effects (Offset and         Tolerance band       [%         TC, average       [% FSO /         Permissible temperatures         Electrical protection         Short-circuit protection         Reverse polarity protection         Electromagnetic         compatibility         Materials         Pressure port         Housing         Seals	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam emission stainles stainles FKM; N welded	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent age, but also n and immuni s steel 1.4404 s steel 1.4404 BR version <sup>6</sup>	1 + 0.02 x 3 ) tware appropr ratures e -20 e -20 -25 nent: -25 -40 no function ity according 4 (316 L) 4 (316 L)	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	0.16 % FSO 20, NT Version 4.0		XP)	
<sup>5</sup> software, interface, and cable ha <b>Thermal effects (Offset and</b> Tolerance band [%	ave to be ordered Span) / Permi FSO] ≤ ± (0.2 in comp 10 K] ± (0.02 in comp medium electror storage perman no dam emission stainles FKM; N welded stainles	separately (soft ssible tempe x turn-down) bensated rang x turn-down) bensated rang t: tics / environn : ent age, but also n and immuni s steel 1.4404 s steel 1.4404 BR	1 + 0.02 x 3 ) tware appropr ratures e -20 e -20 -25 nent: -25 -40 no function ity according 4 (316 L) 4 (316 L) 5 (316L)	is as follows: % FSO i.e. a iate for Windo 80 °C 80 °C 125 °C 125 °C 100 °C	ccuracy is ≤ ± C ws® 95, 98, 200	00, NT Version 4.0		XP)	

## DMP 331i / DMP 333i

**Precision Pressure Transmitter** 

Mechanical stability									
Vibration	10 g RMS (20 2000 Hz)								
Shock	100 g / 11 msec.								
Explosion protection (only for	r 4 20 mA / 2-wire)								
Approvals DX19-DMP 331i	IBExU 10 ATEX 1068 X / IECEx IBE 12.0027X								
DX19-DMP 333i	zone 0: II 1G Ex ia IIC T4 Ga								
	zone 20: II 1D Ex ia IIIC T 85°C Da								
Safety technical max. values	$U_i = 28 V$ , $I_i = 93 mA$ , $P_i = 660 mW$ , $C_i \approx 0 nF$ , $L_i \approx 0 \mu H$ ,								
	the supply connections have an inner capacity of max. 27 nF to the housing								
Ambient temperature range	in zone 0: -20 60 °C with p <sub>atm</sub> 0.8 bar up to 1.1 bar								
	in zone 1 or higher: -20 65 °C								
Connecting cables	cable capacitance: signal line/shield also signal line/signal line: 160 pF/m								
(by factory)	cable inductance: signal line/shield also signal line/signal line: 1µH/m								
Miscellaneous									
Current consumption	signal output current: max. 25 mA								
-	signal output voltage: max. 7 mA								
Weight	approx. 200 g								
Installation position	any <sup>7</sup>								
Operational life	> 100 x 10 <sup>6</sup> pressure cycles								
CE-conformity	EMC Directive: 2014/30/EU Pressure Equipment Directive: 2014/68/EU (module A) <sup>8</sup>								
ATEX Directive	2014/34/EU								
<sup>7</sup> Pressure transmitters are calibrate	d in a vertical position with the pressure connection down. If this position is changed on installation there can be slight								

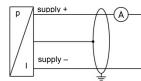
eviations in the zero point for pressure ranges  $P_N \le 1$  bar. <sup>8</sup> This directive is only valid for devices with maximum permissible overpressure > 200 bar

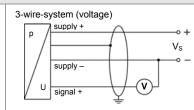
o +

Vs

#### Wiring diagrams



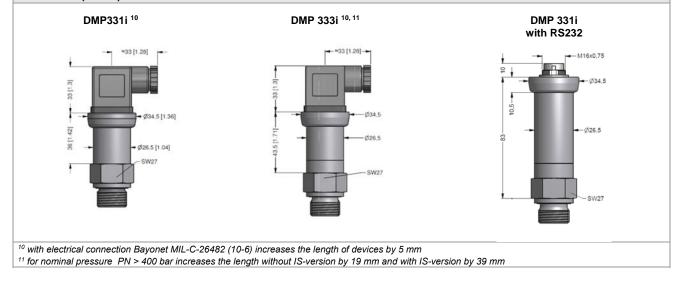




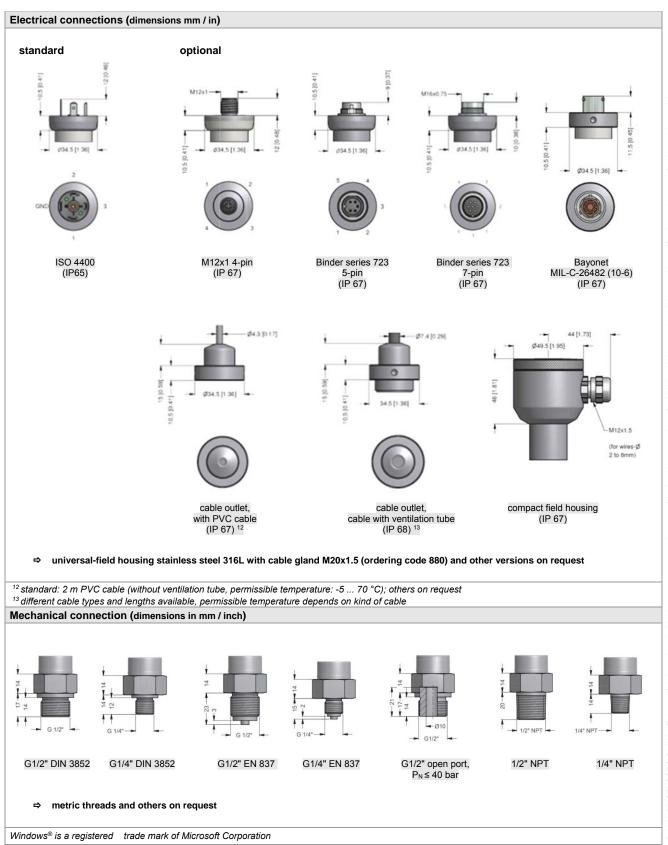
#### Pin configuration

U		1			1			1		
Electrical connections		ISO 4400	Binder 723	Binder 723	M12x1 / metal		t MIL-C- (10-6)	field housing	cable colours (IEC 60757)	
			(5-pin)	(7-pin)	(4-pin)	2-wire 3-wire			(120 00757)	
	supply +	1	3	3	1	A	A	IN +	wh (white)	
	supply -	2	4	1	2	В	D	IN –	bn (brown)	
signal + (only for 3-wire)		3	1	6	3	-	В	OUT +	gn (green)	
shield		ground pin	5	2	4	pressure port			gnye (green-yellow)	
Communication	RxD	-	-	4	-	-		-	-	
interface 9	TxD	-	-	5	-		-	-	-	
	GND	-	-	7	-	-		-	-	
<b>^</b>					I			1		

<sup>9</sup> may not be transmitted directly with the PC (the suitable adapter is available as accessory) Dimensions (mm / in)



Precision Pressure Transmitter







		Orc	dering	g cod	le D	MP (	331i/	DN	1P 3	33	i					
DMP 331i	/ DMP 333i	-	Щ	Щ-		- 🗆	- 🎞	ŀ	- 다		]-[	]-[				
Pressure For DMP 331i																
01 2111 0011	gauge absolute	1 1 0 1 1 1														
For DMP 333i																
	gauge 1 absolute	1 3 0 1 3 1														
Input For DMP 331i <sup>2</sup>	[mH <sub>2</sub> O] [bar]															
	4 0.40 10 1.0		4 0	0 0 0 1												
	20 2.0		2 0	0 1												
	40 4.0 100 10		4 0	0102												
	200 20		2 0	0 2												
	400 40 600 60		4 0 6 0	02 02												
For DMP 333i <sup>2</sup>	100		1 0	0 3												
	200		1 0 2 0	0 3												
	400 600		4 0 6 0	0 3 0 3												
For DMP 331i	-0.40 0.40		S 4	0 0												
	-1 1		S 1	0 2												
	-1 2 -1 4		S 1 V 2 V 4 V 1	0 2												
	-1 10 customer		V 1 9 9	0 3 9 9											consult	
Output	4 20 mA / 2-wire			-   -	1											
	Intrinsic safety 4 20 mA / 2-wire				Е											
	0 10 V / 3-wire customer				3 9										consult	
Accuracy (at r	nominal pressure) 0.1 %					1										
	customer				_	9									consult	
Electrical con	Male and female plug ISO 4400						1 0	0								
	Male plug Binder series 723 (5-pin) Compact field housing						2 0	0								
	stainless steel 1.4404 (316L)						8 5	0								
	Male and female plug Binder series 723 (7-pin)						A 0	0								
	Male plug M12x1 (4-pin) / metal for analog output						M 1	0								
	Male plug M12x1 (4-pin) / metal						M 1	3								
	for digital output Bayonet MIL-C-26482 (10-6); 2 wire						ВG	0								
	Bayonet MIL-C-26482 (10-6); 3 wire Cable outlet with PVC cable <sup>3</sup>						B G T A	4 0								
	Cable outlet <sup>4</sup>						TR	0								
Mechanical co							9 9	9							consult	
	G1/2" DIN 3852 G1/2" EN 837									0 0						
	G1/4" DIN 3852									0 0						
	G1/4" EN 837 G1/2" DIN 3852 with 5									0 0						
	flush sensor G1/2" DIN 3852 open pressure port 5															
	1/2" NPT								N	0 0	)					
	1/4" NPT customer								N 4 9 9	4 0 9 9	)				consul	t
eals or DMP 331i																
	FKM without (welded version) <sup>5, 6</sup>										1					
or DMP 333i											2					
	FKM NBR										1 5					
Special versio	customer										9				consul	t
	standard											1	1	1		
	RS-232 interface <sup>7</sup> customer											1 9	2 9	1 9	consul	t
oressure ranges standard: 2 m PV sable with ventila only possible for velded version o RS-232 interface Software, Interface	arts with ambient pressure $\leq$ 60 bar as DMP 331i; pressure ranges > 60 bar as C cable without ventilation tube (permissible tempe tion tube (code TR0 = PVC cable), different cable t DMP 331i and P <sub>N</sub> $\leq$ 40 bar nly with pressure ports according to EN 837 only possible with el. connection Binder serie 723 i te and cable for DMP 331i and DMP 333i with optio 15-G; Software appropriate for Windows <sup>®</sup> 95, 98, 2	rature: -5 70 ypes and lengths 7pin) n RS-232 have t	s available to be orde	e, price v er separa	without ately		ion tube									t t
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