



DMP 333

Industrial Pressure Transmitter For High Pressure

Stainless Steel Sensor

accuracy according to IEC 60770: standard: 0.35 % FSO option: 0.25 / 0.1 % FSO

Nominal pressure

from 0 ... 100 bar up to 0 ... 600 bar

Output signals

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

Special characteristics

- excellent long-term stability, also with high dynamic pressure loads
- insensitive to pressure peaks
- high overpressure capability

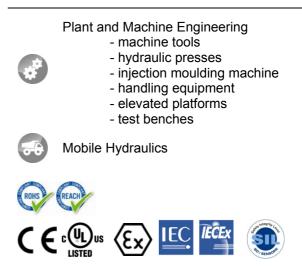
Optional versions

- IS-version
 Ex ia = intrinsically safe for gases and dusts
- SIL 2 version according to IEC 61508 / IEC 61511
- customer specific versions

The pressure transmitter type DMP 333 has been especially designed for use in hydraulic applications with high static and dynamic pressure. The transmitter is characterized by an excellent long term stability, also under fast changing pressure as well as positive and negative pressure peaks.

The modular concept of the device allows to combine different stainless steel sensors and electronic modules with a variety of electrical and mechanical versions. Thus a diversity of variations is created, meeting almost all requirements in hydraulic applications.

Preferred areas of use are



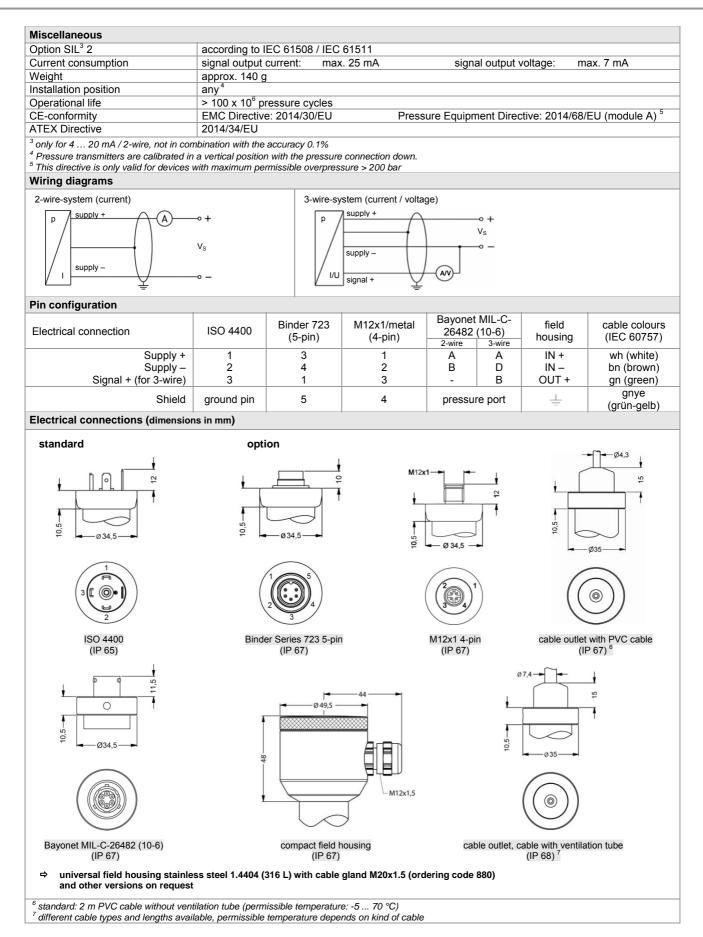


Tel +49 (0) 92 35 / 98 11- 0 Fax +49 (0) 92 35 / 98 11- 11

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busing stainless steel 1.4404 (316 L)	Housing		stainless steel 1.44	04 (316 L)									
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	Seals (media wetted)												
others on request													
	Diaphragm Media wetted parts												
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	Approvals DX19-DMP 333				12.002/X								
zone 20: II 10 Ex ia IIC T 4 Ga	DV19-DIML 222												
$11 = 28 V_{rec}$ $1 = 93 \text{ mA}$ $P = 660 \text{ mW}$ $C \approx 0 \text{ nE}$ $1 \approx 0 \text{ mH}$					≈0 nEl.≈0.uH								
the supply connections have an inner capacity of max. 27 nF to the housing	Safety technical maximum va					⁻ to the housing							
	Permissible temperatures for												
	environment												
v	Connecting cables (by factor				lso signal line/signal	line: 160 pF/m							
cable inductance: signal line/shield also signal line/signal line: 1µH/m			cable inductance:	signal line/shield a	lso signal line/signal	line: 1µH/m							

DMP 333

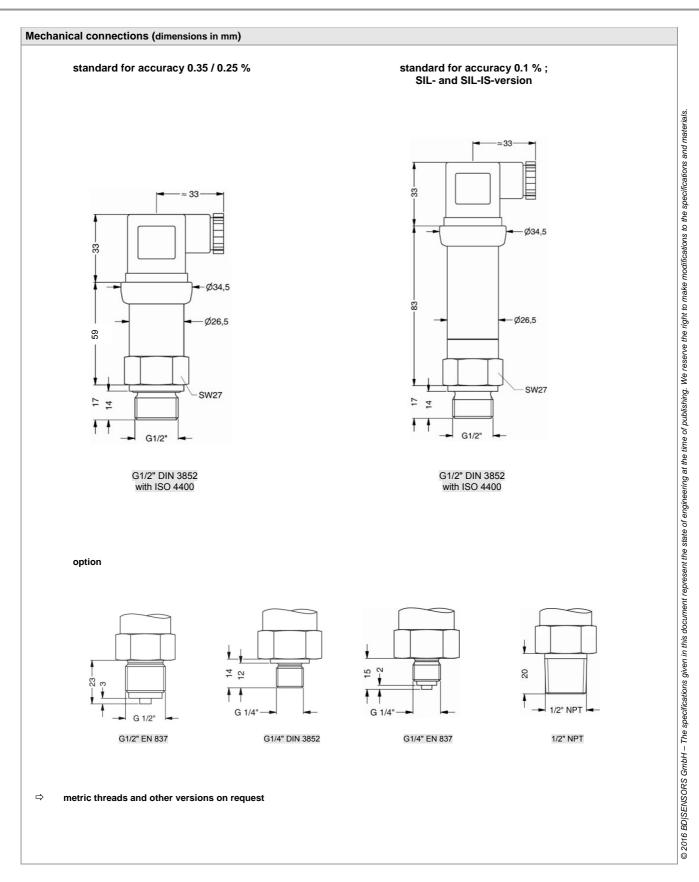
Industrial Pressure Transmitter



DMP 333

Industrial Pressure Transmitter

Technical Data



www.bdsensors.com info@bdsensors.de





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DMP 333		-]-[]	- 🗆	-]-[ŀ	- 🗌	-					
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SIL2 with Intrinsic safety 4 20 mA / 2-wire			ES													
customer			9												consu	ılt
Accuracy standard 0.35 %		_	-	3					T		-			_	_	
option 1 0.25 % option 2 0.1 %				2 1												
customer Electrical connection		_	_	9					4					_	consi	ult
Male and female plug ISO 4400					1	0 0										
Male plug Binder series 723 (5-pin) Cable outlet with PVC cable	3				2 T	0 0 A 0										
Cable outlet Male plug M12x1 (4-pin) / metal	4				Т	R 0 1 0										
Bayonet MIL-C-26482 (10-6); 2 wire					B	G 0 G 1										
Bayonet MIL-C-26482 (10-6); 3 wire Compact field housing					в 8											
stainless steel 1.4305 customer						9 9									consu	ult
Mechanical connection G1/2" DIN 3852								1 0	0							
G1/2" EN 837 G1/4" DIN 3852							:	2 0	0							
G1/4" EN 837								4 0	0							
1/2" NPT customer							1	N 0 9 9	0 9						consu	ult
Seals FKM										1						
EPDM	5									3						
customer Special version										9					consu	Л
standard customer											0 9	0 9	0 9		consu	ult
													I			
neasurement starts with ambient pressure not in combination with SIL standard: 2 m PVC cable without ventilation tube (per																
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, p	ice	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		
ot in combination with SIL								ends o	n kin	d of ca	able, pi	ice	vithout ca	ble		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, p	ice ,	vithout ca	able		
ot in combination with SIL tandard: 2 m PVC cable without ventilation tube (per able with ventilation tube (code TR0 = PVC cable), d								ends o	n kin	d of ca	able, pi	ice	vithout ca	able		

