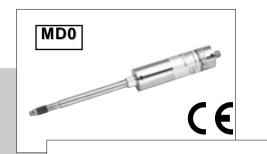
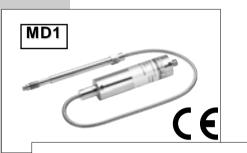


MELT PRESSURE TRANSMITTERS



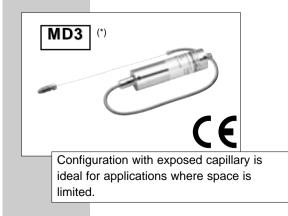
Rigid rod configuration allows quick and easy installation.



Flexible rod configuration is suitable for applications requiring additional thermal insulation or where installation would otherwise be difficult.



This configuration lets you measure process pressure and temperature at the same point.



(*) Contact the Gefran Sales Department for availability of this model.

DP404 CAN OPEN digital output

Main characteristics

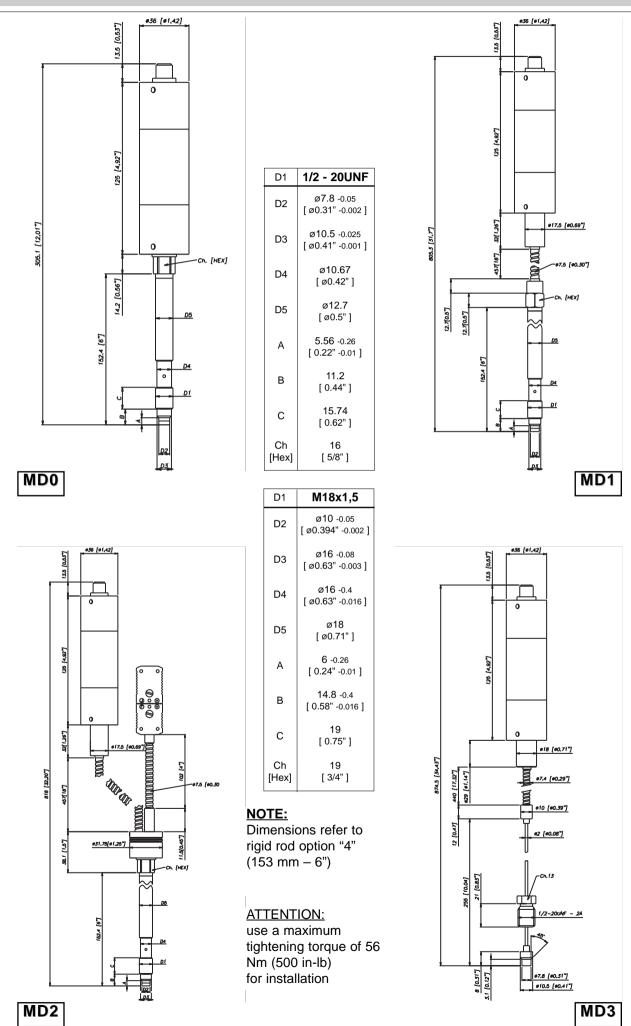
- Digital output signal with DP404 CAN OPEN communication protocol
- Transmission frequency (Baud rate): 10 Kbaud to 1 Mbaud (default 500 Kbaud)
- Software / Hardware selection of Baud rate and ID nodes
- Operation with 1 or 2 settable alarm limits
- "Autozero" for temperature compensation
- Zero and span drift compensation
- 80% FSO calibration signal
- Pressure ranges: 0-35 to 0-2000 bar / 0-500 to 0-30000 psi
- Extensimetric measurement principle with Wheatstone jumper
- Precision: < ± 0.25% FSO (H); < ±0.5% FSO (M)
- Hydraulic transmission system to guarantee temperature stability.
- Protection level: IP65
- Standard threading: 1/2-20 UNF, M18x1.5; other versions on request
- Stainless steel 15-5 PH diaphragm with Armoloy coating
- For ranges below 100 bar 1500 psi: stainless steel 17-7PH corrugated diaphragm with TiN (titanium nitride) coating
- Other types of diaphragm on request

TECHNICAL SPECIFICATIONS

Rated precision, including effects of linearity, repeatability and hysteresis		H < ±0.25%FSO (1002000 bar) M < ±0.5%FSO (352000 bar)	
Sampling		16 bit (1)	
Pressure ranges		0-500 to 0-30.000 psi 0-35 to 0-2000 bari	
Maximum applicable pressure		2 x FSO	
Measurement principle		Strain gauge	
Power supply		1240 Vdc	
Typical input		40 mA (2)	
Insulation resistance (at 50Vdc)		>1000 MOhm	
Signal at rated pressure (FSO)		Depends on FSO	
Signal at ambient pressur	е	0	
Calibration of ambient pressure		Insertion of an offset	
Signal protocol		DP404 CAN OPEN, with baud rate selectable from 10K to 1M baud (default 500 Kbaud	
Response time (10 at 90% FSO)		20 ms	
Calibration signal		80%FSO	
Protection against overvoltage and reverse polarity of power supply		YES	
Compensated temperature range of strain gauge housing		0+76°C 32170°F	
Maximum temperature range of strain Gauge Housing		-30…+85°C -22…185°F	
Thermal drift in compensated range;	Zero Calibration Sensitivity	<0.02 %FSO/°C <0.01 %FSO/°F <0.01 %FSO/°F	
Max. diaphragm temperature		400°C (750°F)	
Influence due to variation of fluid temperature (zero)		15 Psi/100°F 0.02bar/°C	
Standard contact diaphragm with process		0.02 bar/°C 15 psi/100°F	
		15-5 PH with Armoloy coating 17-7 PH corrugated with titanium nitride coating for range < 100 bar (1500 psi)	
Thermocouple (model MD2)		STD: Type * J (isolated coupling)	
Protection level		IP65	
Electrical connections		M12 DIN EN 50044 5-pin connector	
	5000350psi; 1	lbar from 7002000bar; psi from 750030000psi	

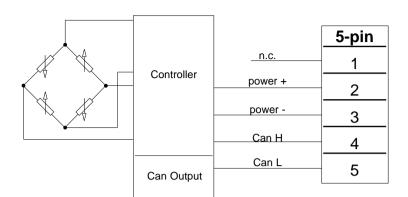
FSO= Full Scale Output (Signal at rated pressure)

MECHANICAL DIMENSIONS

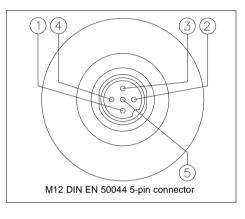


ELECTRICAL CONNECTIONS

CAN BUS DP404 DIGITAL OUTPUT



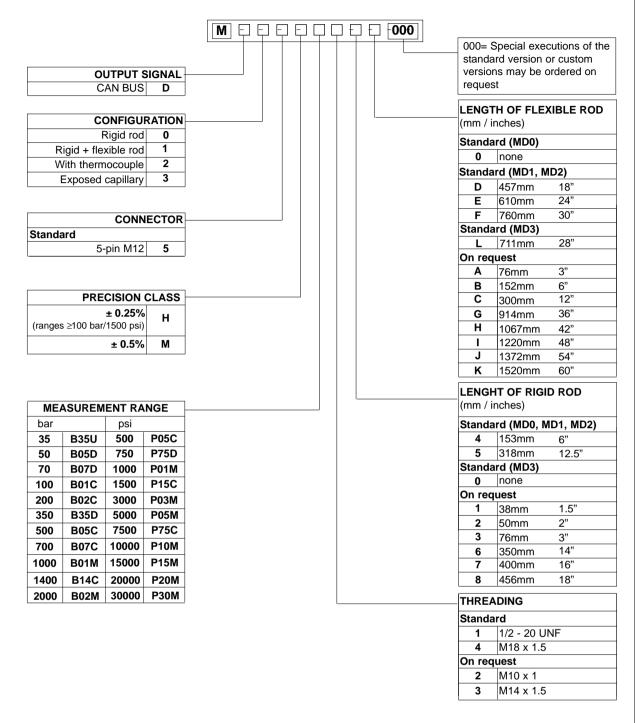
Shielding is connected to transducer body. It is advisable to ground it on the instrument side as well



ACCESSORIES

Connectors 5 pin female connector (IP65 protection)	CON031		
Future in a suda		Cord color code	
Extension cords 5-pin connector with cord length 1 meter (3.3 ft)	PCAV310	Conn.	Wire
5-pin connector with cord length 2 meters (7 ft)	PCAV311	1	n.c.
5-pin connector with cord length 5 meters (17 ft)	PCAV314	2	Red
Other lengths	on request	3	Black
		4	White
		5	Blue
Accessories			
Fastening bracket	SF18		
Protective plug for 1/2 - 20 UNF	SC12		
Protective plug for M18x1.5	SC18		
Punch kit for 1/2-20 UNF	KF12		
Punch kit for M18x1.5	KF18		
Cleaning kit for 1/2-20 UNF	CT12		
Cleaning kit for M18x1.5	CT18		

ORDER CODE



Example:

MD0-5-M-B07C-1-4-0-000

Melt pressure transducer with Can output, 5-pin connector, 1/2 - 20 UNF threading, pressure range 700 bar, precision class 0.5%, 153 mm (6") rigid rod.

MD1-5-M-P03M-1-4-D-000

Melt pressure transducer with Can output, 5-pin connector, 1/2 - 20 UNF threading, pressure range 3000 bar, precision class 0.5%, 153 mm (6") rigid rod, 457 mm (18") flexible rod.

GEFRAN spa reserves the right to make aesthetic or functional changes at any time and without notice.



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