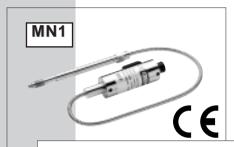
GEFRAN

MELT PRESSURE TRANSMITTERS

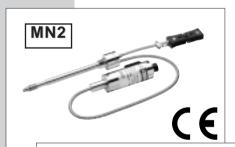
Voltage output



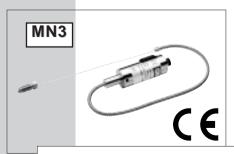
The rigid stem configuration makes installation fast and easy



The flexible configuration is designed for applications requiring further thermal isolation or where installation would be otherwise difficult or impractical



The pressure / temperature configuration requires only one mounting hole for the measurement of both process values



The exposed capillary configuration is ideal to fit in space-restricted locations

Main features

- Pressure ranges from:
 0-35 to 0-2000 bar / 0-500 to 0-30000 psi
- Strain gage Wheatstone bridge
- Accuracy:
 <±0.25% FSO (H); <±0.5% FSO (M)
- Internally generated 80% calibration signal (R-Cal)
- Fluid-filled system for temperature stability
- · Fully interchangeable with all existing brands
- Grade of protection: IP65
- 1/2-20UNF, M18x1.5 standard threads; other types available on request
- Standard diaphragm is 15-5 PH stainless steel with Armoloy coating
- 17-7 PH corrugated diaphragm with TiN coating (Titanium Nitride) for ranges below 100bar-1500psi
- Other diaphragms available on request

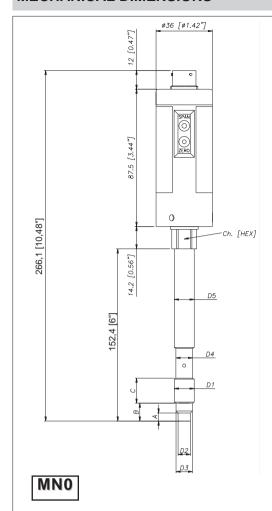
TECHNICAL SPECIFICATIONS

Nominal accuracy including Linearity, Repeatibility, Hysteresis	H <±0.25%FSO (1002000 bar) M <±0.5%FSO (352000 bar)	
Resolution	Infinite	
Measurement range	035 to 02000bar 0500 to 030000psi	
Maximum overpressure	2 x FS 1.5 x FS above1000bar/15000psi	
Measurement principle	Strain gage Wheatstone bridge	
Supply voltage	15-30Vdc	
Maximum current consumption	40mA (1)	
Isolation resistance (at 50Vdc)	>1000 MOhm	
Full Scale Output (FSO)	5Vdc (M, H) 5.1Vdc (B) 10Vdc (N, L) 10.1Vdc (C)	
Zero balance	0Vdc (M, N, H, L) 0.1Vdc (B, C)	
Signals adjustment : Nominal pressure Ambient pressure	5% FSO min. 10 bar (150psi)	
Maximum load	1mA	
Response time (10 to 90% FSO)	~ 4ms	
Output noise (RMS 10-400Hz)	< 0.05% FSO	
Calibration signal	80% FSO	
Protection against output shortcircuit and supply voltage inverted polarity	YES	
Protection against output voltage spikes	YES According to 89/336/EEC	
Strain gauge housing compensated temperature range	0+76°C 32170°F	
Maximum housing temperature range	-30+85°C -22185°F	
Thermal drift in compensated range Zero/Calibr./Sens.	< 0.02 %FSO/°C < 0.01 %FSO/°F	
Diaphragm maximum temperature	400°C 750°F	
Zero drift due to change in process temperature	0.02 bar/°C 15 psi/100°F	
Material in contact - Standard with process medium	15-5 PH with Armoloy coating 17-7 PH corrugated diaphragm with Titanium Nitride coating for ranges <100 bar (1500psi)	
Thermocouple (model MN2)	STD : type "J" (isolated junction)	
Protection degree	IP65	
Electrical connections	6-pin Conn. VPT07RA10-6PT (PT02A-10-6P)	

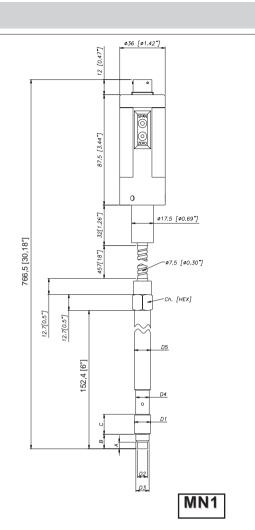
(1) Conditions: 30Vdc supply, maximum allowed load, calibration shunt inserted

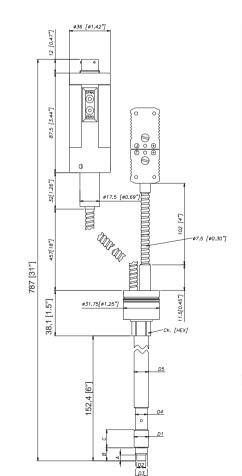
FSO = Full Scale Output (output signal at nominal pressure)

MECHANICAL DIMENSIONS



D1	1/2 - 20UNF
D2	ø7.8 -0.05 [ø0.31" -0.002]
D3	ø10.5 -0.025 [ø0.41" -0.001]
D4	ø10.67 [ø0.42"]
D5	ø12.7 [ø0.5"]
А	5.56 -0.26 [0.22" -0.01]
В	11.2 [0.44"]
С	15.74 [0.62"]
Ch [Hex]	16 [5/8"]





MN2

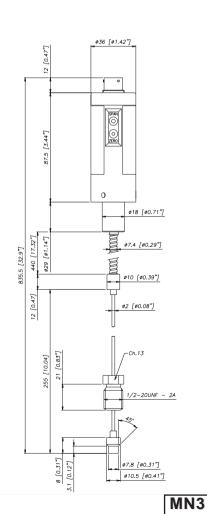
D1	M18x1,5
D2	ø10 -0.05 [ø0.394" -0.002]
D3	ø16 -0.08 [ø0.63" -0.003]
D4	Ø16 -0.4 [Ø0.63" -0.016]
D5	ø18 [ø0.71"]
А	6 -0.26 [0.24" -0.01]
В	14.8 -0.4 [0.58" -0.016]
С	19 [0.75"]
Ch [Hex]	19 [3/4"]

NOTE:

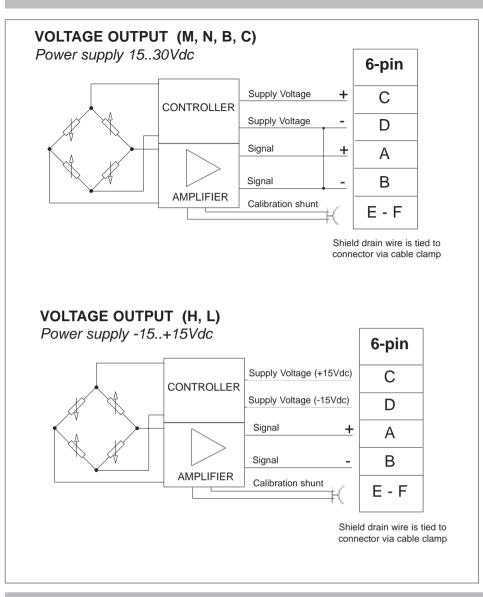
Dimensions refer to rigid stem length option "4" (153mm - 6")

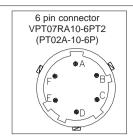
WARNING:

For installation use a maximum tightening torque of 56 Nm 500 in-lb

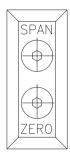


ELECTRICAL CONNECTIONS





ADJUSTMENTS



ZERO and SPAN adjustment can be made by trimpots inside the transmitter body and accessible after removing the two protection screws.

SPAN is factory set and should not be adjusted.

ACCESSORIES

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_	OH	ше	L	u	-

6-pin mating connector (IP65 protection degree) CON300

Extension cables

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6-pin connector with 8m (25ft) cable	C08WLS
6-pin connector with 15m (50ft) cable	C15WLS
6-pin connector with 25m (75ft) cable	C25WLS
6-pin connector with 30m (100ft) cable	C30WLS

Other lengths consult factory

Cable color code		
Conn.	Wire	
Α	Red	
В	Black	
С	White	
D	Green	
E	Blue	
F	Orange	

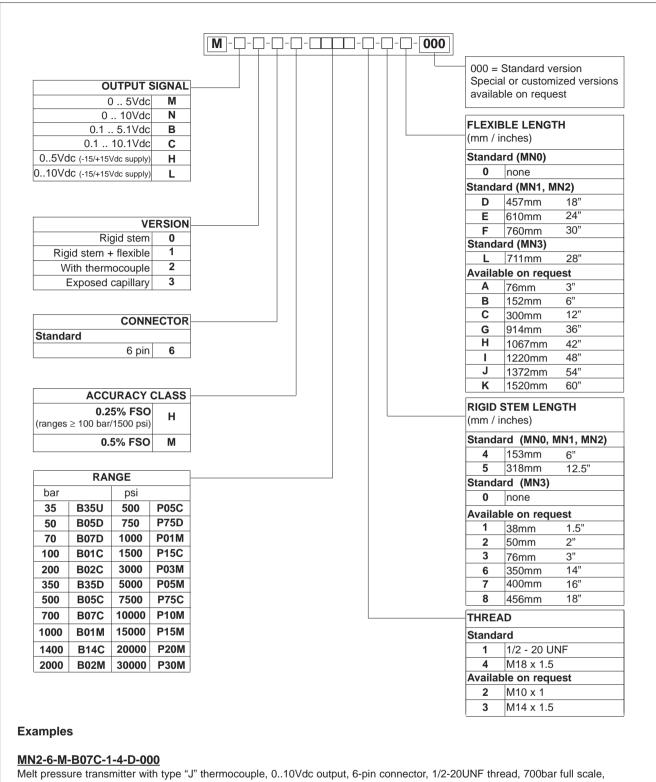
Accessories

Mounting bracket	SF18
Dummy plug for 1/2-20UNF	SC12
Dummy plug for M18x1.5	SC18
Drill kit for 1/2-20UNF	KF12
Drill kit for M18x1.5	KF18
Cleaning kit for 1/2-20UNF	CT12
Cleaning kit for M18x1.5	CT18

Thermocouple for MN2 model

Type "J" (153mm - 6" stem) TTER 718

ORDER CODE



0.5 % accuracy class, 153 mm (6") rigid stem, 457mm (18") flexible capillary.

MM0-6-M-P03M-1-4-0-000

Melt pressure transmitter, rigid stem, 0..5Vdc output, 6-pin connector, 1/2-20UNF thread, 3000psi full scale, 0.5 % accuracy class, 153 mm (6") rigid stem

GEFRAN reserves the right to make any kind of design or functional modification at any moment without prior notice.

GEFRAN spa

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