



The M6 Series has an improved digital readout utilizing an extra-large five-digit display. The M6 Series melt pressure gauge provides reliable, maintenance-free, localized pressure indication. The small capillary tube filled with a special medium isolates the gauge housing from potential thermal damage.

MAIN FEATURES

- Better than $\pm 0.50\%$ accuracy
- Economically priced
- 2 times overload capacity
- 1/2-20 UNF thread standard, M18x1.5 also available
- One alarm standard
- 4-20 mA retransmission standard
- 15-5 stainless steel diaphragm with Armoloy coating standard (others available upon request)
- 17-7 PH corrugated diaphragm with TiN (Titanium Nitride) coating for ranges below 100 bar (1500 psi)

M60 The rigid stem configuration makes installation fast and easy.

M61 The flexible configuration is designed for applications requiring further thermal isolation or where installation would be otherwise difficult or impractical.

M62 The pressure/temperature configuration requires only one mounting hole for the measurement of both

TECHNICAL SPECIFICATIONS

Nominal accuracy including Linearity, Repeatability, Hysteresis	M < $\pm 0.50\%$ FSO	
Measurement Range	0–35 to 0–1000 bar 0–500 to 0–15000 psi	
Maximum Overpressure	2 x FSO	
Measurement Principle	Strain gage Wheatstone bridge	
Supply Voltage	115 VAC or 230 VAC (factory set)	
Retransmission of Pressure Value	4–20 mA (650 Ω max. load)	
Maximum Housing Temperature	55°C (130°F)	
Thermal Drift in Zero Shift	4.0%/100°C (2.0%/100°F)	
Compensated Range Sensitivity Shift	2.0%/100°C (1.0%/100°F)	
Maximum Diaphragm Temperature	400°C (750°F)	
Zero Drift due to Change in Process Temperature	0.02 bar/°C (15 psi/100°F)	
Material In Contact with Process Medium	Standard 70 bar (1000 psi) and below	15-5 PH SS (Armoloy coated) Corrugated 17-7PH SS (Titanium Nitride coated)
Thermocouple (model M62)	Type "J" (isolated junction)	
Alarm	High Only For C Relay 5A @ 115-230 VDC	

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

ACCESSORIES

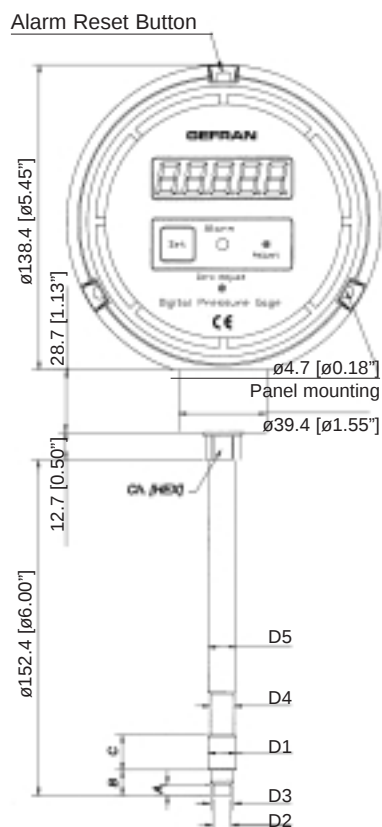
Accessories

Mounting bracket	SF18-659
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

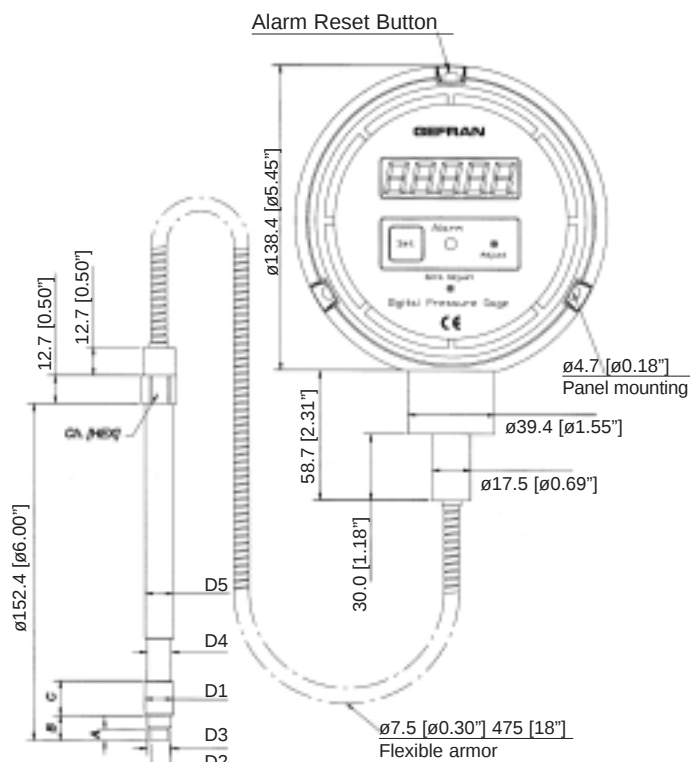
Thermocouple for M62 model

Type "J" (153 mm [6"] stem)	TTER718
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MECHANICAL DIMENSIONS



M60



M61

D1	1/2-20 UNF
D2	$\varnothing 7.8 -0.05$ [$\varnothing 0.307$ " -0.002]
D3	$\varnothing 10.49 \pm 0.025$ [$\varnothing 0.413$ " ± 0.001]
D4	$\varnothing 10.67$ [$\varnothing 0.42$ "]
D5	$\varnothing 12.7$ [$\varnothing 0.5$ "]
A	$5.56 -0.26$ [0.219 " -0.01]
B	11.4 [0.45 "]
C	15.75 [0.62 "]
Ch	16
[Hex]	[$5/8$ "]

D1	M18x1.5
D2	$\varnothing 10 -0.05$ [$\varnothing 0.394$ " -0.002]
D3	$\varnothing 16 -0.08$ [$\varnothing 0.630$ " -0.015]
D4	$\varnothing 16 -0.4$ [$\varnothing 0.630$ " -0.015]
D5	$\varnothing 18$ [$\varnothing 0.71$ "]
A	$6 -0.26$ [0.236 " -0.010]
B	$14.8 -0.4$ [0.580 " -0.016]
C	19 [0.75 "]
Ch	19
[Hex]	[$3/4$ "]

NOTE:

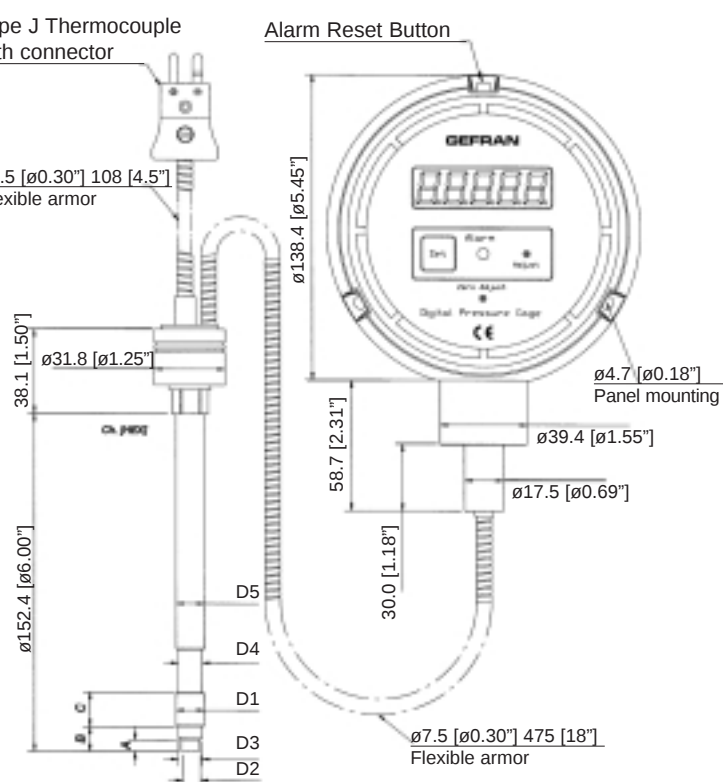
Dimensions refer to rigid stem length option "4" (153mm – 6") and flex length option "D" (457mm – 18")

WARNING:

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

Type J Thermocouple with connector

$\varnothing 7.5$ [$\varnothing 0.30$ "] 108 [4.5"]
Flexible armor

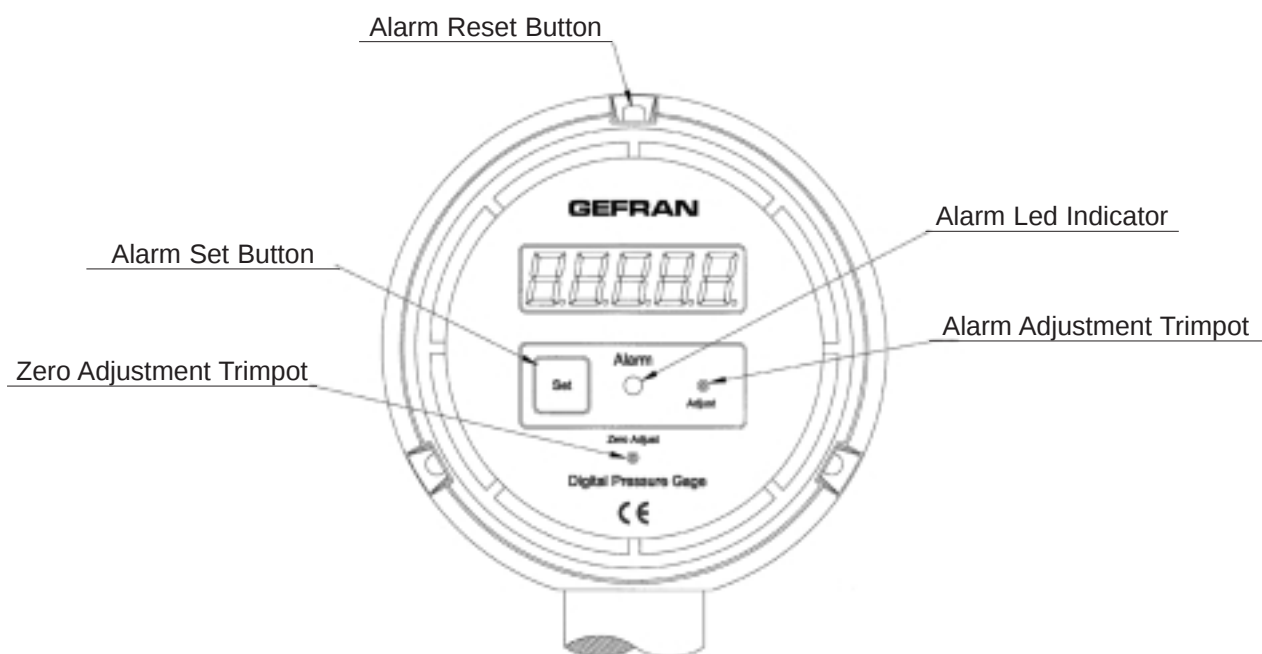
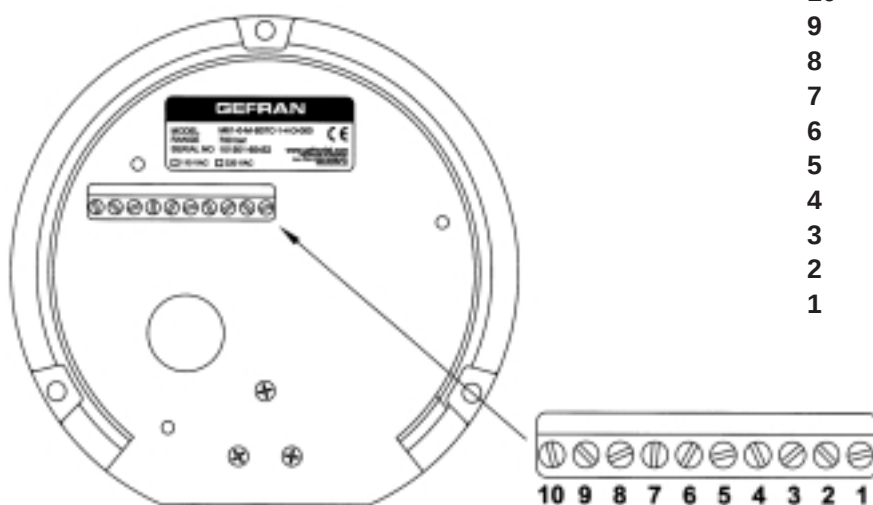


M62

ELECTRICAL CONNECTIONS

Wiring key:

- | | |
|----|-----------------------------|
| 10 | 4-20mA Auxiliary output (-) |
| 9 | 4-20mA Auxiliary output (+) |
| 8 | Not used |
| 7 | Alarm common |
| 6 | Alarm normally Open |
| 5 | Alarm normally Closed |
| 4 | Not used |
| 3 | Earth Ground (G) |
| 2 | AC Low (N) |
| 1 | AC High (L) |



ORDER CODE

OUTPUT SIGNAL		VERSION		CONNECTOR		ACCURACY CLASS		RANGE		FLEXIBLE LENGTH (mm, inches)		RIGID STEM LENGTH (mm, inches)		THREAD	
Digital Gauge		Rigid Stem		None		0.50% FSO		bar		Standard (M60)		Standard (M60, M61, M62)		Standard	
6		0		0 *		M		psi		0 none		4 153 mm, 6"		1 1/2-20 UNF	
		Rigid Stem + Flex						500 P05C		Standard (M61, M62)		5 318 mm, 12.5"		4 M18x1.5	
		1						750 P75D		D 457 mm, 18"		Available on request		Available on request	
		2						1000 P01M		F 760 mm, 30"		1 38 mm, 1.5"		2 M10x1.0	
								1500 P15C		A 76 mm, 3"		2 50 mm, 2"		3 M14x1.5	
								200 B02C		B 152 mm, 6"		3 76 mm, 3"			
								350 B35D		C 300 mm, 12"		6 350 mm, 14"			
								500 B05C		E 610 mm, 24"		7 400 mm, 16"			
								700 B07C		G 914 mm, 36"		8 456 mm, 18"			
								1000 B01M							
								15000 P15M							

000 = standard version
Special or customized versions available on request

* The M6 comes standard with a 10-pin cable for 4-20 mA retransmission.

Examples

M60-0-M-B07C-1-4-0-000

Digital melt pressure gauge, rigid stem, 1/2-20 UNF thread, 700 bar full scale output, 0.50% accuracy class, 153 mm (6") rigid stem

M62-0-M-P03M-1-4-D-000

Digital melt pressure gauge with type "J" thermocouple, 1/2-20 UNF thread, 1/2-20 UNF thread, 3000 psi full scale output, 0.50% accuracy class, 153 mm (6") rigid stem, 457 mm (18") flex

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

GEFRAN

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