DYNISCO MODELS PG542 & PG552

Flexible Stem Electronic Pressure Gauges with/without Alarm Setpoint

Description

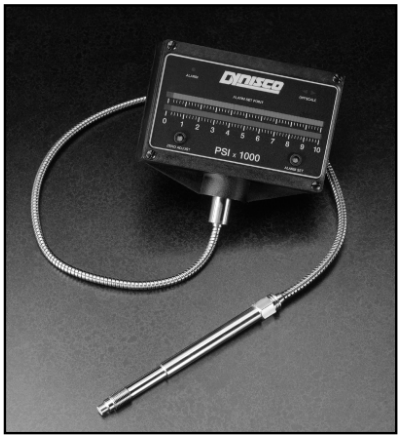
Models PG542 and PG552 are identical to models PG541 and PG551 but incorporate a flexible mounting stem for greater thermal isolation and ease of mounting. Both units utilize a self contained electronic bar graph display which can be rotated up to 285 degrees for unobstructed viewing. Model PG552 also incorporates an adjustable alarm setpoint which can be used to warn operators of critical pressures or to shut down equipment.

Features

- Direct, local readings
- Thicker sensing diaphragm than mechanical gauges
- Better stability than mechanical gauges
- Better than ±2% accuracy
- 0 - 5000 or 0 - 10,000 psi
- Flexible stem
- Adjustable alarm setpoint and alarm display (model PG552)

Benefits

- Measure/display pressure in one location
- Maximum durability
- Superior vibration resistance
- Reliable pressure measurement
- Choice of pressure ranges
- Easy to install, ideal for high local temperatures
- Critical pressure warning or machine shutdown



Specifications

NEW EXTENDED LIFE COATING

Performance Characteristics

Ranges (psi): 0 - 5,000, 0 - 10,000 psi
Accuracy: ±2% full scale
Maximum mounting torque: 500 inch - lbs.
Maximum pressure: 2 x full range
Resolution: ±2% full scale
Weight: 3 lbs.

Material in contact with pressure media: 15 - 5 PH stainless steel, DyMax™ coated
Zero balance: ±25% full scale via front panel potentiometer with off scale indication
Type: 51 segment red LED - single segment bar graph with over - range and under - range indication

Electrical Characteristics

Input power:
Non-alarm version: 12 Vdc ±5% at 25 mA typical (50 mA maximum)
Alarm version: 12 Vdc ±5% at 60 mA typical (100 mA maximum)

Caution: Requires 12 Vdc supplied by user or by using separately specified power supply option G115, a 110/220 Vac powered 12 Vdc supply mounted to the pressure gauge.

Temperature Characteristics

Electronics housing:
Maximum ambient temperature: 185°F (85°C)
Ambient temperature effect: Zero: <0.075% full scale/°F
Span: <0.025% full scale/°F

Gauge diaphragm:
Maximum diaphragm temperature: 750°F (400°C)
Zero shift due to temperature change: 15 psi/100°F typical (27 psi/100°C)

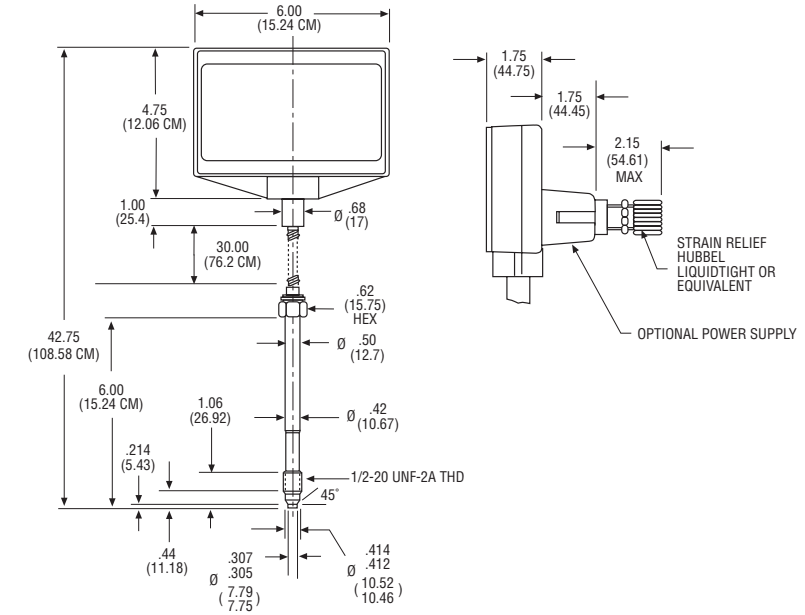
Alarm (Model PG552 only)

Setpoint display: 51 segment yellow LED single segment bar graph
Setpoint resolution: ±2% full scale, 0 to 100% full scale
Indication: Front panel LED illuminates to indicate alarm condition

Alarm hysteresis: ±1.0% full scale
Alarm relay contact rating: 5 A at 115 Vac, resistive

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All dimensions are in inches (millimeters) unless otherwise specified

Ordering Guide

Model	Pressure Range		Rigid Stem		Flexible Stem		Power Supply
	Code	Range	Code	Length	Code	Length	Code
PG542	5M	0 - 5,000 psi					
without alarm	10M	0 - 10,000 psi	6	6" (standard)	30	30" (standard)	G115
	5CB	0 - 500 bar	12	12" (optional)	24	24" (used with	(optional 12 Vdc
PG552	1MB	0 - 1,000 bar				12" stem only)	power supply)
with alarm	5CK	0 - 500 kg/cm2					
	1MK	0 - 1,000 kg/cm2					

Note: Optional G115 power supply is provided as an integral part of the pressure gauge and accepts 110/220 Vac.

Ordering Example: PG542 - 10M - 6/30 - G115

- Gauge Options: Call for complete information on stem length, gauge diaphragm, diaphragm and thread coatings and fill media.

Delivery

Express delivery. Call for delivery information on other configurations.