DYNISCO MODELS PG541 & PG551

Rigid Stem Electronic Pressure Gauges with/without Alarm Setpoint

Description

Models PG541 and PG551 were developed in response to applications requiring the simplicity of local pressure indication but the durability of a pressure transducer. Models PG541 and PG551 both incorporate a rigid mounting stem and an integral electronic bar graph display which can be rotated 285 degrees for increased visibility. Both units are easily modified to "stem up" configurations for mounting below the extruder barrel. Model PG551 is identical to model PG541 but incorporates an adjustable alarm setpoint to shut down equipment or warn operators of critical situations.

Features

- Direct, local readings
- 0 - 5000 or 0 - 10,000 psi
- Can be modified from stem - down to stem - up
- Thicker sensing diaphragm than mechanical gauges
- Better stability than mechanical gauges
- Adjustable alarm setpoint and alarm display (model PG551)
- Better than ±2% accuracy

Benefits

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



Specifications

NEW EXTENDED LIFE COATING

Performance Characteristics

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

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 bar graph with over - range and under - range indication.
Weight: 2.5 lbs.

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 maximum (27 psi/100°C)

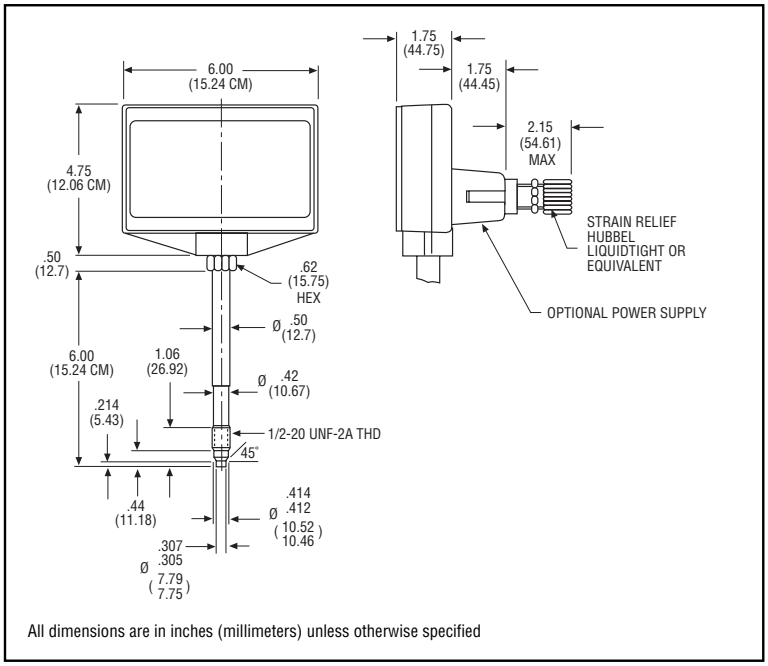
Alarm (Model PG551 only)

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

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

DYNISCO MODELS PG541 & PG551

Rigid Stem Electronic Pressure Gauges with/without Alarm



All dimensions are in inches (millimeters) unless otherwise specified

Ordering Guide

Model	Pressure Range		Rigid Stem		Power Supply
	Code	Range	Code	Length	Code
PG541	5M	0 - 5,000 psi			
without alarm	10M	0 - 10,000 psi	6	6" (standard)	G115
	5CB	0 - 500 bar	12	12" (optional)	(optional 12 Vdc
PG551	1MB	0 - 1,000 bar			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: PG541 - 10M - 6 - G115

- Gauge Options: Please consult factory.

Delivery

Express delivery. Call for delivery information on other configurations.