

SOLID FRONT PROCESS GAUGE PHENOL SAFETY CASE

MODEL: 285.13 LOWER MOUNT / 285.43 LOWER BACK MOUNT

DESCRIPTION

FTB Solid Front Process Gauges with Phenol Case are widely used for petrochemical and chemical processing industries. There is a solid wall between pressure sensing element and the window. This design provides better safety for monitoring the gauges in the event of the gauge failure. The gauge is available in bottom or lower back connection and features a filling vent on top of the gauge. This special design provides a quick and convenient way to fill dry gauges without any special tools or fixtures.

SPECIFICATIONS

NOMINAL DIAMETERS (mm)

4 1/2" (115 mm)

ACCURACY

±0.5% of span (Grade 2A to ASME B40.1)

POINTER

Anodized aluminum with black finish

CASE & RING

Phenol case, bezel ring threaded with a gasket

BOURDON TUBE

Brass, 316L-Stainless Steel or Monel K500

TEMPERATURE EFFECT

Accuracy of measurement will be effected by the temperature change. This inaccuracy may as high as ±0.3% for 12 °C temperature change.

OPERATING

Steady: 100%*full scale value Pulsation: 90%*full scale value Sudden: 130%*full scale value

The appropriate operating range falls in the middle half of the gauge(25% to 75% of full scale). If you choose the unsuitable range,the fatigue of Bourdon tube may be resulted. HAWK Supplies a wide selection of range from vacuum to 20000 PSI including compound range.

WINDOW

Tempered safety glass-standard Polycarbonate or Laminated safety glass-optional

MOVEMENT

Stainless steel movement with overload and underload stops

PROCESS CONNECTION

1/2", 1/4" NPT standard,JIS,DIN and M20*1.5 available, stem, surface, flush mounting, Brass, 316SS, 316LSS or Monel K400



285.13

TECHNICAL FEATURES

AMBIENT TEMPERATURE

-40 to 80°C (Dry Gauge)
-10 to 65°C(Glycerin Filled Gauge)
-50 to 80°C(Silicon Filled Gauge)

MEDIA TEMPERATURE

Max. 60°C-Brass Wetted Parts
125°C-SS316 Wetted Parts
300°C (Optional)

SCALE

PSI, kPa, MPa, bar, kg/cm², inHg, cmHg, torr, mmHg (single or dual scale), others on request

WEATHERPROOF

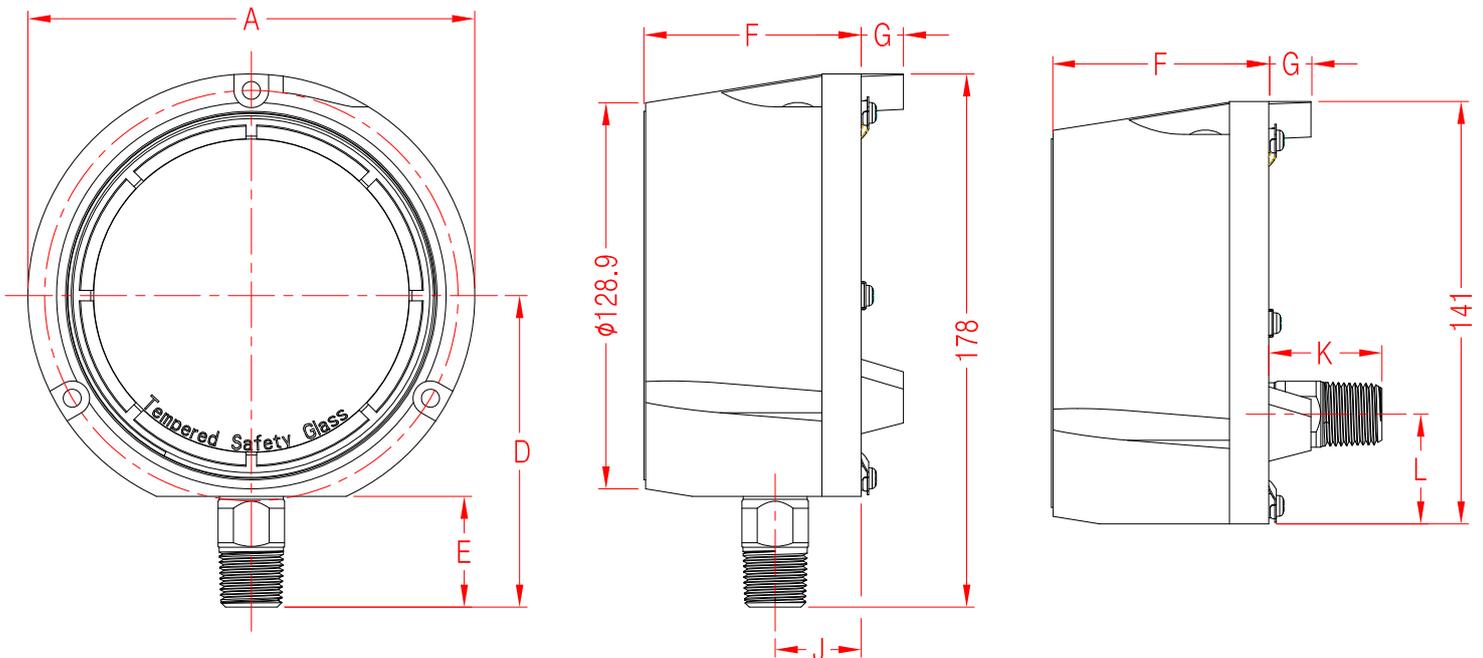
NEMA 4/4X(P65) enclosure

- Safety Pattern (Safety Case)
- Solid Front / Blow out Back
- Open Front / Removable Ring
- Brass/316(L)SS/Monel Wetted Parts
- Field Liquid Fillable
- Zero Adjustable Pointer
- Temperature Compensated Element

Typical Application

- Petrochemical and chemical processing
- Offshore oil platforms
- Industrial OEM equipments
- Power generating stations
- Compressors
- Pneumatic systems
- Pump applications
- Food processing plants
- Refrigeration and HVAC systems
- Construction and agriculture equipments
- Energy and water treatment plants

DIMENSIONS (MM)



Dimensions, in.(mm)

Type No	Dial Size	A	D	E	F	G	J	K	L	Weight
285.13	4.5"	5.82" (148)	4.09" (104)	1.45" (37)	2.83" (72)	0.55" (14)	1.12" (28.5)			0.94-0.98 Kg
285.43	4.5"	5.82" (148)			2.83" (72)	0.55" (14)		1.47" (37.5)	1.44" (36.6)	1.01-1.05 Kg