



Budenberg

Made in Britain

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Model: BGT66

Turret style gauges are used widely in harsh environments - primarily those found in chemical and off shore industries.

As part of their design, turret gauges are suitable for both direct and surface mounting. Moulded spacer legs at three fixing points allow the back to blow out (in the event of tube failure) even if the gauge is Surface Mounted.

The Phenolic case provides resistance to corrosion that is typical in the chemical process and petro-chemical industries.

The applications for this product are:-

- Hydraulic systems
- Compressors
- Pumps and Food Industries
- Plant construction equipment
- Water Treatment and General Industry

Size

115mm Dial diameter

Mounting

Direct bottom or surface

Case & Bezel

Black Fibreglass reinforced thermoplastic - (POCAN)
Full Safety Pattern. Turret style case with rear flange lugs.

Scale Ranges

Up to 30,000 psi.

Pressure Element

316 or 316LSt St Bourdon Tube or Monel

Overload

Units will withstand up to 125% of FSD

Pressure Connection

1/4" 3/8" or 1/2" NPT/ESP
Also available with a diaphragm seal assembly.
Fitted with 0.6 mm (0.02") restrictor screw.

Accuracy Class

CL:1 0.5% of FSD (Grade 2A, ASME B40, 100)

Temperature

Operating: -20 to +90 °C
Storage: -40 up to +100 °C
Options: for lower or higher operating temperatures, please contact our Sales Office

Temperature Effect

Variation in indication caused by temperature shall not exceed $\pm 0.04 \times (t_2 - t_1)\%$ of the span where:
t1 is the reference ambient temperature in degrees Celsius
t2 is the ambient temperature in degrees Celsius

115mm Dial - Full Safety Pattern Turret Gauge



Dial

White Anodised Aluminium marked in black finish
Option: Dual scale, colour bands & sectors
Customisation with Company Name & Logo also available

Pointer

Aluminium coloured black - micro adjustable

Movement

316 St St with internal stop pin set at 1.3 x FS.
Underload and Overload stops-standard.
Dampened movement optional. See Budenberg VDM data sheet.

Window

Laminated Safety Glass or Acrylic.

Environmental Rating

Weather Resistant (NEMA 3 / IP54 without Membrane)
Weather Tight (NEMA 4X / IP65) - dry case or filled with Membrane fitted.

Traceability

All instruments are individually calibrated and have an unique Serial Number printed on the dial. A Certificate of Conformity Traceable to National Standards is Supplied Free of Charge

Certification available

BS EN 10204 3.1 Material Certification
Point by Point Test Certificate

Safety

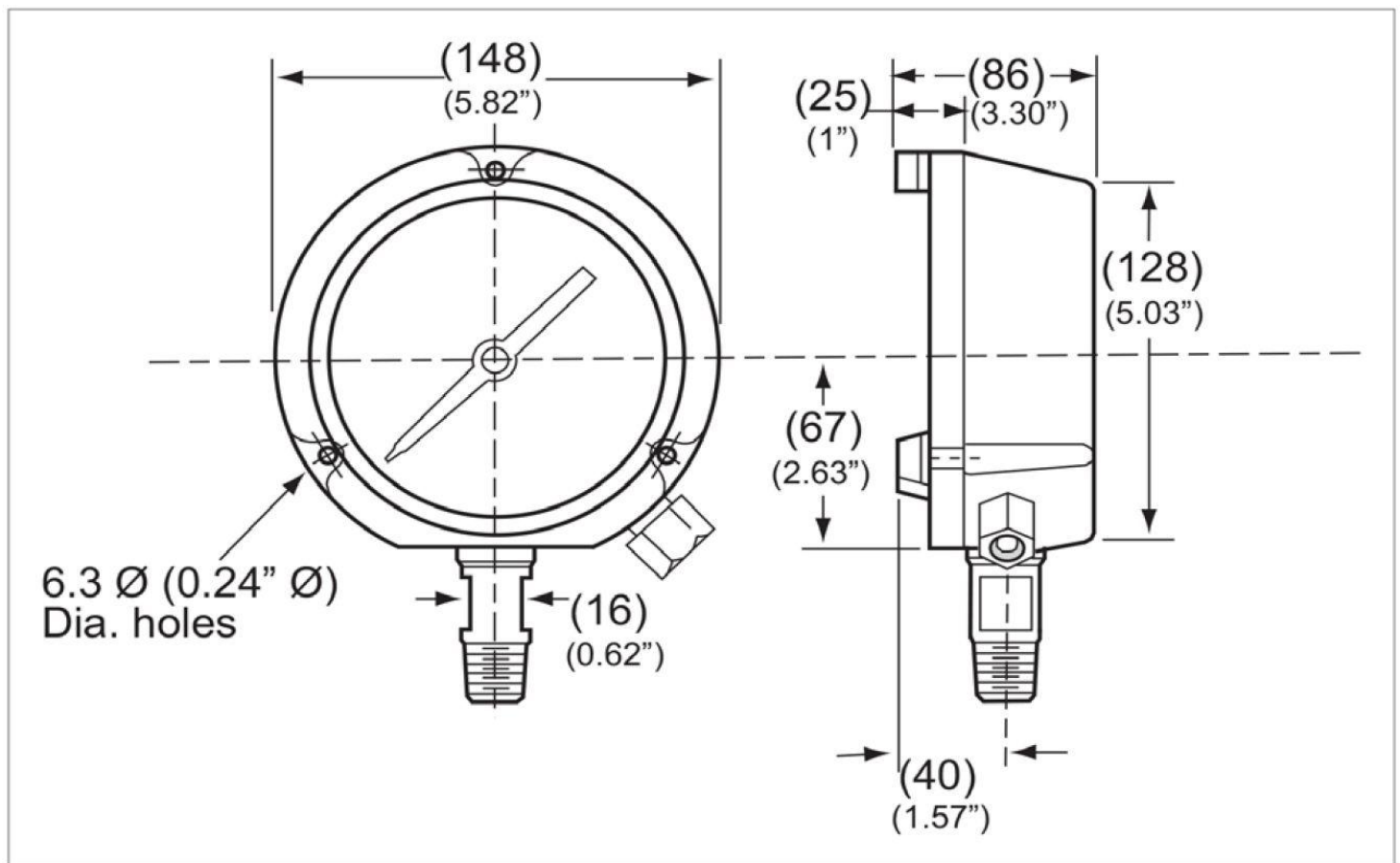
All units are manufactured to comply with EN 837-1, O specification and other regulatory standards including PED.

Installation Instructions

Refer to EN 837-2

Special Scales

Customised dials and scales are available. Please contact our sales office for further details.



Product Options

EXTRA! Performance: XXL

Fill: G-Glycerine

Shatter Proof Glass Window: S

Acrylic Window: A

Optional Extras

- Silicone Dampened Movement
- Panel mounting adapter kit (field assembled)
- Silicone case filling
- Halocarbon case filling
- Cleaned for oxygen service
- Instrument glass or safety glass window
- Drag pointer (maximum reading indicator)
- Alarm contacts switches (magnetic or inductive)
- Special process connections
- Custom dial layout

Note 1:

The maximum continuous media temperature for this gauge is 100°C (212°F). However, higher temperatures can be maintained safely for short term exposure per table to the right. The user should consider temperature error and gauge component degradation when exposing gauge to any media or ambient temperature above 100°C (212°F).

For continuous use in either ambient or media temperatures above 100°C (212°F), a diaphragm seal or other heat dissipating means is recommended. Consult factory for technical inquiries and application assistance.

Short term, intermittent maximum media temperature limits

(Optional glass window required for all these temperatures)

500°F (260°C) - Dry Gauge

250°F (130°C) - Liquid filled gauge

300°F (150°C) - Dampened movement gauge