Datasheet **28B**

Remote Indicating Tank Contents Gauge EXTERNAL Transmitter

Mostly used to measure:
Fuel oil, Diesel,Paraffin, Lube oil, Chemical process plant, Corrosive liquids, Printing inks, Kerosene, Potable water

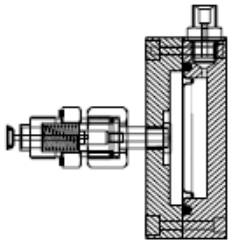
Principals of operation
The Instrument operates on the hydrostatic principal, where pressure due to head of liquid is sensed by the Transmitter Head and transmitted via a capillary tube to the indicator giving a continuous level reading. The gauge is suitable for installation on any shape or size of storage vessel that is freely vented to atmosphere.

Installation
The transmitter is fitted at any suitable position near the base of the tank, and the indicator shows the contents of liquid above the transmitter.
Indicators are graduated to customer requirements, fractions, 0-100%, litres, gallons, tons or m3 etc. Dial sizes 100mm or 160mm. Questionnaire Q28 must be completed.

This instrument can be fitted with a variety of transmitters as shown below, different applications require different solutions, please contact us for advice.

Specifications
Indicator
Mounting: Surface as photo or Flush Panel
Accuracy: 1%
Case & Bezel: 304 St. St Bayonet locking bezel
Measuring Element: Phosphor Bronze
Movement: Brass
Dial: White Aluminium with black markings
Pointer: Black Oxidised Aluminium
Window: Glass/Clear Acrylic
Gasket Seal: Food Quality Rubber
Type BRP Standard
Body: Black Acetal
Connection: 3/4”bsp Brass self-closing valve
Sensing Element: Nitrile/Hydrin diaphragm
Capillary: 2mm o.d. copper micro bore tube with 9mm o.d. solid black PVC protection sheath

Schematic



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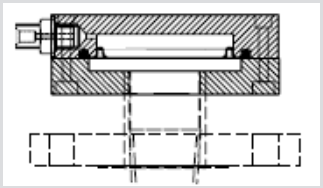
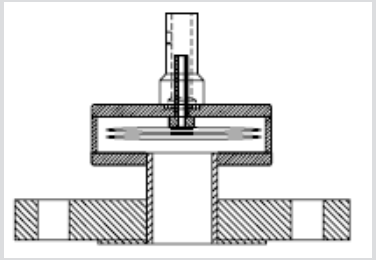
Datasheet **28B**

Remote Indicating Tank Contents Gauge EXTERNAL Transmitter

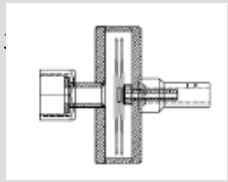
Type BPT (Threaded) or BPF (Flanged)
Body: Black Acetal
Connection: PVC or ABS threaded or flanged to suit customer requirements
Sensing Element: Nitrile/ Hydrin diaphragm
Capillary: 2mm o.d. copper micro bore tube with 9mm o.d. solid black PVC protection sheath

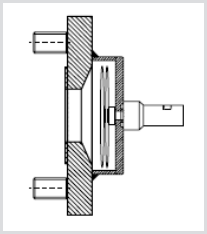




Type BSF Stainless Steel Flanged >= DN50
Body: 316 Stainless Steel
Connection: 316 Stainless Steel flange to suit customer requirements
Sensing Element: 316 Stainless Steel Capsule
Capillary: 2mm o.d. copper micro bore tube with 9mm o.d. solid black PVC protection sheath or 8mm O.D. St St

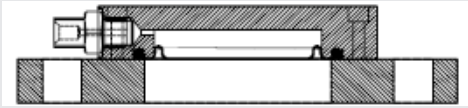
Type BST Stainless Steel Body: Stainless Steel **Connection:** 3/4"bsp Stainless Steel Female nut & tail or ½"bspt St St stud compression fitting
Sensing Element: 316 Stainless Steel Capsule **Capillary:** 2mm o.d. copper micro bore tube with 9mm o.d. solid black PVC protection sheath or 8mm O.D.St St armoured





Type BSF Stainless Steel Flanged <DN50 Body: 316 Stainless SteelConnection: 316 Stainless Steel flange to suit customer requirements
Sensing Element: 316 Stainless Steel Capsule
Capillary: 2mm o.d. copper micro bore tube with9mm o.d. solid black PVC protection sheath or 8mm O.D. St St

Type BFD Flush Diaphragm Flanged DN80 PN 25
Body: Black Acetal
Connection: 316 Stainless Steel flange to suit customer requirements
Sensing Element: Flush Nitrile/Hydrin diaphragm
Capillary: 2mm o.d. copper micro bore tube with 9mm o.d. solid black PVC protection sheath



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