

Tank Contents Gauge With Flush Diaphragm Transmitter



Mostly used to measure:

Chemical process plant, Printing inks, Water treatment plant, Slurries, Latex compounds, Corrosive liquids, Food products, Liquid sugar, Molasses, Potable water, Heavy fuel oils

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 through the top 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

Standard Specifications:

Standard: Flush 316 st st diaphragm welded to DN150 PN10 316 st st flange

Capillary: 2mm o.d. copper micro bore tube with 9.5mm o.d. Solid black PVC cover or 8mm o.d st st armoured capillary throughout.

Indicator

Mounting: Surface as photograph 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