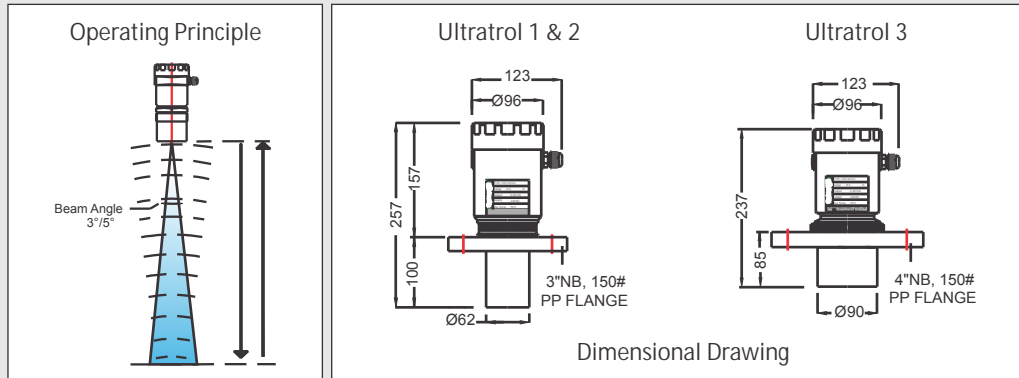


Techtrol Ultrasonic Level System for Liquid - TUS Ultratrol



Techtrol Ultrasonic Level System for Liquids is a non-contact system consisting of an Ultrasonic Transducer integral with Transceiver. The principle of operation is often referred to as 'time of flight'. An ultrasonic pulse is emitted from transducer down towards the target and is reflected back from the surface. The time it takes to travel 'from and to' the transducer is directly proportional to distance travelled.

The system consists of transmitter with 2 core screened signal cable plus indicator or controller along with protection canopy and mounting accessories.

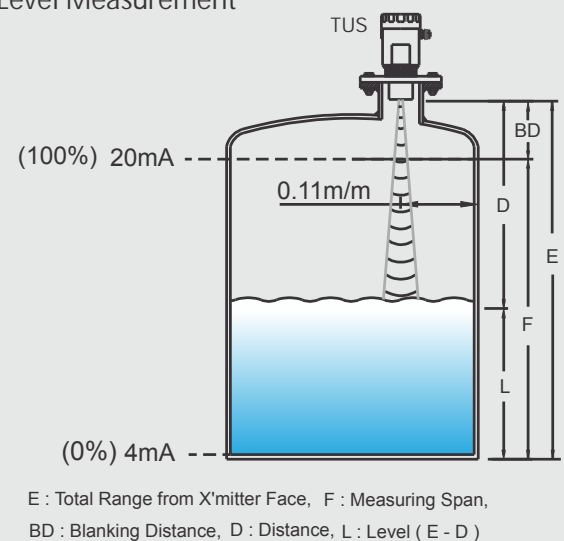


Specifications :

Measuring Range	: Ultratrol 1 - 0.4 to 5 mtrs Ultratrol 2 - 0.4 to 10 mtrs Ultratrol 3 - 0.5 to 12 mtrs
Measurement Mode	: Level , Distance
Blanking distance	: 400mm - Ultratrol 1 & 2 500mm - Ultratrol 3
Beam Angle	: $\pm 5^\circ$ for Ultratrol 1 & 2 $\pm 3^\circ$ for Ultratrol 3
Power Supply	: 16 -30 VDC
Analogue Output	: 4- 20 mA
Max. load	: 250 Ohms
Display	: Integral 4 digit LCD
Accuracy	: $\pm 0.5\%$ of FSD
Resolution	: 1mm
Enclosure	: ABS with polycarbonate window x IP-65
Transducer MOC	: 1) PU with ABS shield 2) PTFE with ABS shield
Cable Gland	: M20 x 1.5mm
Maximum Cable Run	: 100mtrs
Process Connection	: 3" NB ANSI x PP - Ultratrol 1 & 2 4" NB ANSI x PP - Ultratrol 3
Operating Temp.	: - 40 to 70 °C
Process Pressure	: < 1 bar
Mounting Fixtures	: SS Bracket or SS Nozzle
Sunlight Protection	: FRP Canopy
Signal Cable	: 2 core x 1mm ² x PVC screened pair
Flotation Cell Assy.	: Float x Disc (SS construction)

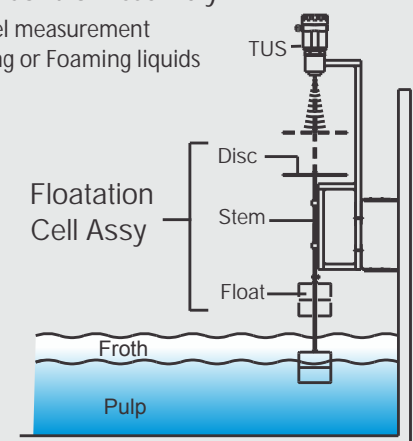
Application Examples :

Level Measurement

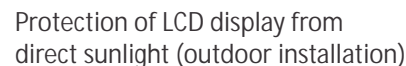
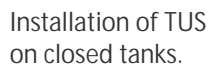


Flotation Cell Control Assembly

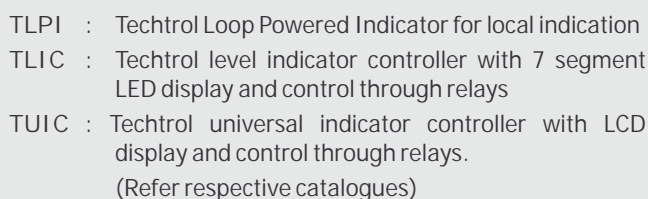
for interface level measurement involving Frothing or Foaming liquids



Accessories :



Installation :



Services :

Raw/Waste Water, Sewage, Effluents, Scrubber, Caustic, H₂SO₄ (98%), Coolant, Milk, Oil, Lime Slurry or Highly Viscous Media.

Applications :

Storage Tanks, Filter Beds, Flotation Cells, Water / Waste Water Treatment, Nuclear/Thermal Power Plants, Effluent Treatment Plants, Canals and Irrigation Systems.

Model Identification :

All dimensions in mm except specified

Ordering Information :

Model no. along with Liquid and its
Operating Temperature & Pressure.