

6548

SUBMERSIBLE LEVEL TRANSMITTER



MODEL A



The 6548 submersible level transmitter measures the height of liquid above the position in the tank, well or bore hole, referenced to atmospheric pressure. The sensor in a slim body design, ideal for narrow space applications like bore holes. It has good chemical compatibility and lightning and surge protection.

The transmitter has a piezo resistive sensing element, encased in stainless steel 316 housing. A bullet nose design protects the diaphragm from damage. The 6548 incorporates lightning and surge protection that utilises dual arrester technology, grounded to case, which eliminates both power supply surges and lightning ground strike transients. Lightning and surge protection is not guaranteed and is not covered by warranty.

When used with proper intrinsically safe Zener barrier the 6548 is UL approved intrinsically safe for use in hazardous locations. The level transmitter comes equipped with a strong tensile strength shielded and vented cable. The vent tube in the cable automatically compensates for changes in atmospheric pressure above the water level. The vent is protected with a maintenance free filter that stops water droplets or vapour from entering the transducer.

SPECIFICATIONS

PHYSICAL SPECIFICATIONS	
MATERIAL:	Stainless Steel 316 Enclosure IP68, bullet nose PVC
SIZE:	Diameter 25.40mm x Length 177mm
WEIGHT:	~1.00kg depending on cable length
OPERATING TEMPERATURE:	-18°C to 60°C

ELECTRICAL SPECIFICATIONS	
EXTERNAL POWER:	12V-35VDC
DEPTH RANGE:	3.5m, 5m and 10m
ACCURACY:	±0.25% FS
MAX OPERATING PRESSURE:	2 x full scale
I/O:	4-20mA two wire
CABLE:	Custom lengths of 3 core + breather tube, submersible cable