

Submersible Level Transducer



Brennan Engineering Submersible Level Transducers have been engineered to provide an unequalled level of performance. These transducers are constructed using the latest sensor technology to provide a very high degree of accuracy, vibration resistance, noise immunity, and long term stability. The transducers are also very electrically robust providing reverse polarity protection and short circuit protection. The external housing is 303 stainless steel with a 0.125" wall thickness providing excellent impact resistance and high pressure capabilities.

The cable has a PVC outer jacket with a 0.095" wall thickness to provide abrasion resistance. The conductors are an 18 AWG twisted pair with Mylar shield and tinned copper drain wire for noise reduction.

Cable Specifications

Conductors	18 AWG Copper Twisted Pr.
Shield	Mylar 150% Coverage
Drain Wire	20 AWG Tinned Copper Strd.
Outer Jacket	PVC 0.095" Wall Thickness
Voltage Rating	600 VAC
Outer Diameter	0.375"

Patent Pending

Transducer Specifications

Output Signal	4-20mA
Burst Pressure	4 times Full Scale
Accuracy	$\pm 0.5\%$ Full Scale; $\pm 0.25\%$ Full Scale Optional
Power Supply	10 VDC to 24 VDC; unregulated
Load Limitation	Load Res in ohms $< (Power\ Supply\ Volts - 10)/0.20$
Environmental protection	NEMA 6P
Electromagnetic Compatibility	CE compliant to EMC, RFI, EMI, ESD
Electrical Protection	Reverse Polarity, Over-Voltage, Short Circuit
Shock	1000 g's per IEC 770
Vibration	30 g's per IEC 770
Housing Diameter x Length	1.310" x 7.875"
Housing and Sensor Materials	303, 304, and 316 Stainless Steel