

SERIES 46R



SUBMERSIBLE TRANSMITTERS FOR WATER LEVEL MEASUREMENTS

This submersible water level transmitter is notable for its excellent long term stability, rugged build and a low cost, value engineered design. The KAVLICO low pressure capsule measures the pressure generated by the head of water above it very accurately, and is enclosed in a sealed brass housing with a clamped cable entry at the rear. A clamp ring terminates the cable screen to the brass housing and the signal wires are moulded into the body, acting as a secondary hydraulic seal.

This brass housing is mounted in a second waterproof plastic housing. The measuring cell and the cable are sealed with secondary O-rings. The pressure media is therefore only in contact with the plastic housing - which can be selected to suit special applications - and the ceramic diaphragm.

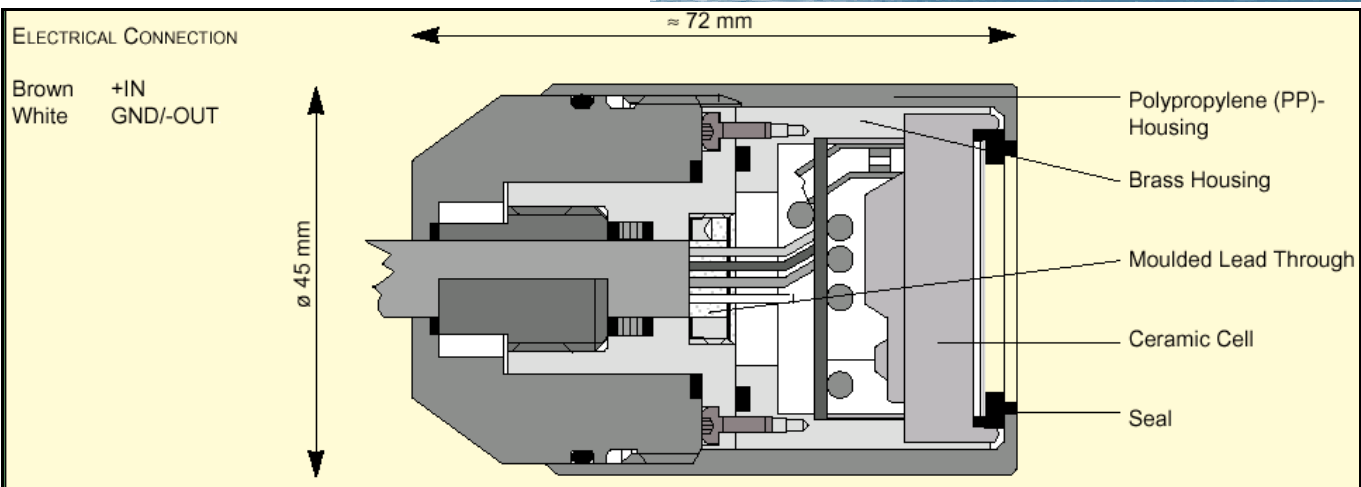
The cable is also double sealed. The first sheath seals the conductor wires and the reference tube, which are then mechanically protected by a heavy-duty braid and covered by a thick polyurethane sheath.

Level transmitters can be subject to internal condensation caused by installations in cold water on warm, humid days. If the reference tube is not terminated in a warm, dry enclosure, KELLER recommends the use of a purpose built cartridge filled with a silica gel which is fitted at the end of the reference tube.



SPECIFICATIONS

Version PR-46 R, Gauge Overpressure	Pressure Ranges (FS) in metres W.G. 0,5 1 2 4 10 10 x FS	
Signal version: type	2 wire	
Excitation	8...28 V	
Signal Output	4...20 mA	
Linearity	0,2% FS typ.	0,5%FS max.
Hysteresis and Repeatability	≤0,03% FS	
Stability	0,1% FS typ.	
Operating Temp. Range	-20...80°C	
Compensated Temp. Range	0...50°C	
- Temp. Coeff. of Zero	0,02% FS/°C typ. 0,03% FS/°C max.	
- Temp. Coeff. of Sensitivity	0,02%/°C typ. 0,03%/°C max.	
Cable	ø 9 mm, PVC, integrated ref. tube	
Cable Length	5 meter standard	
Material	• Housing: PP • Diaphragm: Ceramic • O-Ring: Viton	
Weight	350 gramme	
Options	improved linearity (0,1% FS max.)	



Subject to alterations