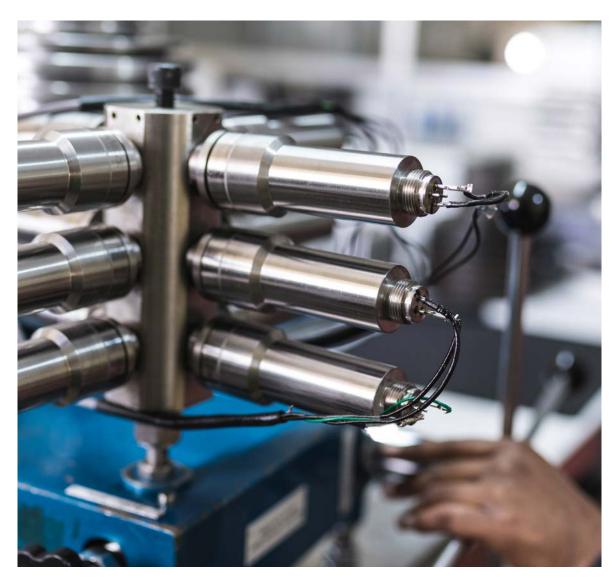
# PIEZOMETER





# Model EPP-30V Vibrating Wire Piezometer

EPP-30V is a vibrating wire piezometer used to measure pore water pressure in soil, earth/rockfills, foundations and concrete structures. EPP-30V is of stainless steel construction and hermetically sealed under a vacuum of 0.001 Torr. Each sensor has built-in thermistor for temperature measurement and surge arrestor for lightning protection. A glass to metal seal solder pin connector is provided for easy cable connection. The piezometers are suitable for mounting at different levels in a borehole using the grout—in technique.

### SPECIFICATIONS

Range (MPa)	0.2, 0.35, 0.5, 0.7, 1.0, 1.5, 2.0, 3.5 5.0, 10.0, specify
Accuracy	± 0.25 % fs standard ± 0.1 % fs optional
Non linearity	± 0.5 % fs
Over range limit	150 % of range
Temperature limit	-20° to 80° C
Thermistor	YSI 44005 or equivalent
Dimension (Ø x L)	42 x 185 mm



## Model EPP-40V Vibrating Wire Slim Piezometer

EPP-40V is a small size vibrating wire piezometer specifically designed to be used for pore water pressure measurement in small diameter boreholes and standpipes. It is of stainless steel construction with built-in thermistor for temperature measurement and surge arrestor for lightning protection. A glass to metal solder pin connector is provided for easy cable connection. The sensor is hermetically sealed with a vacuum of around 0.001 Torr inside it.

### SPECIFICATIONS

Range (MPa)	0.35, 0.5, 0.7, 1.0, 2.0
Accuracy	± 0.2 % fs standard ± 0.1 % fs optional
Dimension (Ø x L)	19 x 155 mm
Other specifications sam	ne as EPP-30V



EPP-60V is a low pressure sensor, extensively used for settlement measurement and water level/water pressure measurement in boreholes. It is available in two versions.



### SPECIFICATIONS

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Electron Beam Welded Range (MPa)	0.10, 0.20
Dimension (Ø x L)	30 x 160 mm
Glass to metal solder pin	connectors
Vented Tube Cable	
Range (MPa)	0.035, 0.07
Dimension (Ø x L)	30 x 160 mm
Cable	CS-1102 vented 1 m long; specify
Other specifications same	e as EPP-30V



# Model EPU-20V Vibrating Wire Uplift Pressure System

EPU-20V is a vibrating wire uplift pressure measurement system that uses a vibrating wire pressure sensor. It is designed for monitoring uplift pressure of water in foundation of dams and concrete structures. The sensor is similar to EPP-30V except that instead of filter, a 25 mm BSP adaptor is provided for pipe connection. A perforated/non-perforated pipe is inserted in the borehole, at the top of which EPU-20V is mounted through valves and fittings.

### SPECIFICATIONS

Range (MPa)	0.2, 0.35, 0.5, 1.0, specify
Accuracy	± 0.25 % fs standard ± 0.1 % fs optional
Dimension (Ø x L)	42 x 210 mm
Other specifications same	as EPP-30V