



# ADHAR INSTRUMENTS & SERVICES



VW Sensor for Uplift Pressure Meter

## Uplift Pressure Meter

### Uplift Pressure Meter AIS-400

Uplift pressure measurement is a precision instrumentation system designed to measure the uplift pressure in the foundation of a concrete dam. Seepage water from the reservoir area often seeps into the dam foundation and the downstream side. The study of uplift pressure has the following main purposes:

To determine the magnitude of any hydraulic pressure that may be present at the base of a dam due to percolation or seepage of water along underlying foundation seams or joint systems after the reservoir is filled. To release this pressure, if necessary.

□ To monitor seepage water from the reservoir area into the dam foundation in view of the safety of the dam structure.

To monitor the effectiveness of the drainage system below the dam.

□ To study the effectiveness of foundation grouting.

It is available with bourdon gauge and with VW sensor.

2020

#### Specifications:

Gauge Range	0-5, 10bar
VW Sensor Range	0-5,10,15bar
Accuracy	±0.5%FSR
Fitting Material	GI, Valve Brass
Reducer	Suitable for 2" dia pipe
Raiser Pipe	50mm dia, PVC or GI