



# ADHAR INSTRUMENTS & SERVICES



Vibrating Wire Strain Gage

## Vibrating Wire Strain Gauges AIS-900

VW Strain Gauges are designed to weld, paste, embedment in soil or concrete for strain monitoring in steel/concrete structures and consists of vibrating wire element anchored at each end. Loading of the structures changes the length of the tube and results in changes in the tension of the wire. An electromagnet is used to pluck the tensioned wire and measure the frequency of the vibration.

### Applications:

Monitoring of strain/load in Steel Structures, Piles, Reinforced Bars, Dams, Bridges, Building,

### Features:

Quick and easy installation - Low Profile - High compliance - Pre-tensioned Wire - Excellent long term stability Quick and easy installation

2016

### Specifications:

Sensor Type:	Vibrating wire
Range:	$\pm 3,000$ microstrain
Resolution:	1.0 microstrain
Accuracy:	$\pm 0.1\%$ FSR
Operating Temp.:	$-20^{\circ}\text{C}$ ~ $80^{\circ}\text{C}$
Gauge Length:	50mm, 125mm