

VW compression displacement sensors



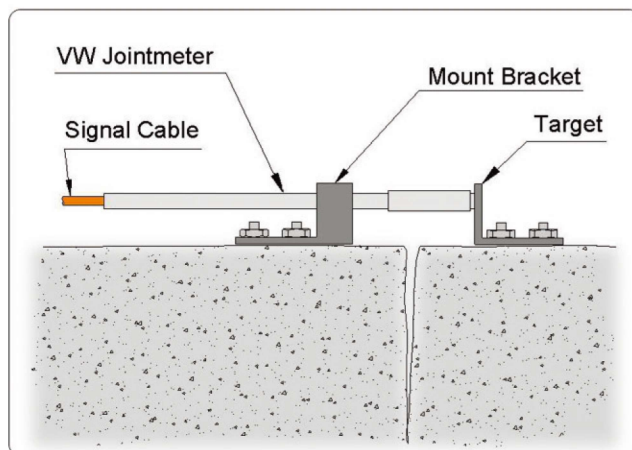
Description

VW compressive jointmeter is composed with sensor and spring. This model is useful to measure about length of displacement such as LVDT or potentiometer.

It is valuable to measure long time such as pile load test. The range of this model is 25, 50, 100mm (3 models) and mounting bracket will be provided in case.

Features

- High precision and reliability
- Stability and reliability in extreme environment
- Easy to use and installation
- Possible to automatic measurement



[Installation of VW compressive jointmeter]

Specification

Model	1325C	1330C	1340C
Sensor element	Vibrating wire sensor		
Range	25mm	50mm	100mm
Resolution	0.025% FSR(0.01mm~0.02mm)		
Accuracy	±0.1% FSR		
Nonlinearity	±0.5% FSR		
Operating temperature	-40~80°C		
Built-in temperature device	Thermistor (3kΩ)		
Temperature device range	-40~105°C		
Temperature device accuracy	±0.5°C		
Waterproof	50m H ₂ O		
Materials	Stainless steel, high grade epoxy potting		
Weight	0.15kg	0.6kg	0.7kg
Signal cable	Ø4.5mm, 0.24mm ² × 4C shielded PVC sheath cable		

Applications

It is valuable to measure displacement of link of bridge or pile load test instead of LVDT or potentiometer.

The readout

It is connected to the system such as the VW readout units, data loggers to be data logging and data acquisition system to monitor readings. It is compatible with other company's readout unit.

- ACE-800 (VW readout)
- ACE-1000 (VW data recorder)
- ACE-1100 series (VW mini logger)
- ADL-16V (VW data logger)
- ADL-200A (Smart logger)
- VL Module (Smart LoRa system)