

## VW waterproof crackmeters



### Description

**VW waterproof crackmeters** are designed with STS316 stainless steel and endured 25bar water pressure. Also, polyurethane signal cable is implicated for measuring the crack at seawater, port, and dams etc.

A change in crack across two anchors changes the tension corresponding to change in its frequency signal when the vibrating wire excited by a plucking coils.

The VW readout unit processes the signal and displays a reading. The VW crackmeters are equipped with a temperature device for compensating for temperature variations.

### Features

- Stability and reliability in extreme environment
- Not affected by cable length and resistance change, reproducibility are very excellence
- Possible to automatic measurement and to attach 3D kit

### 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-200 / ARF-100 (Smart logger / Smart controller)

### Specification

Model	1330W	1340W	1341W	1342W
Sensor element	Vibrating wire sensor			
Range (mm)	50mm	100mm	150mm	200mm
Resolution	0.025% FSR			
Accuracy	±0.1% FSR			
Nonlinearity	±0.5% FSR			
Operating temperature	-40~80°C			
Temperature device	Thermistor (3kΩ)			
Temperature device range	-40~105°C			
Temperature device accuracy	±0.5°C			
Waterproof	250m H <sub>2</sub> O			
Materials	Stainless steel, high grade epoxy potting			
Weight	0.5kg	0.65kg	0.7kg	0.8kg
Signal cable	∅6.4mm, 0.37mm <sup>2</sup> × 4C shielded PU sheath cable			

### Applications

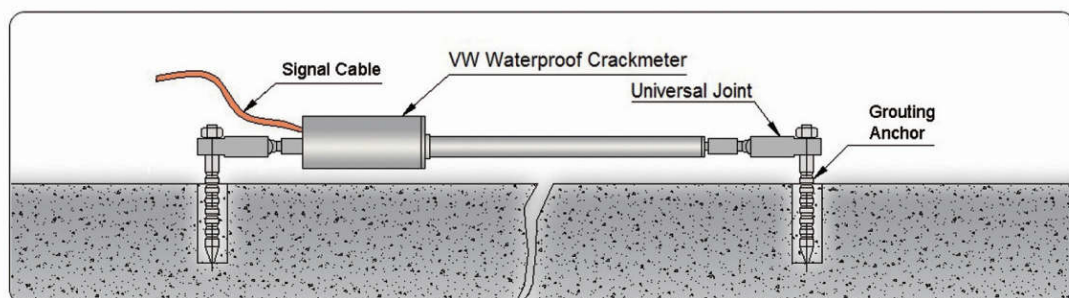
VW waterproof crackmeters are prevented rust and water so that these are useful for dam, port, and see water area

### Ordering information

- Application field
- Cable length
- Keeping VW readout unit
- Frequent vibration or not in installation field
- It is possible to order manufacture up to 300mm range.

### Ancillary equipments

- Universal terminal box (model 7012/7024)



[Installation of VW waterproof crackmeter]