



Vibrating Wire Submersible Crack Meter

Vibrating Wire Crack Meter

WORKS WITH



READY TO RUN

pre-assembled  
pre-wired  
pre-tested  
pre-programmed

WORKS WITH



PRODUCT CATEGORY:  
EXTENSOMETERS

## Crack Meters

RST's Crack Meters are designed to measure movement across surface cracks and joints. They are easily installed by grouting, bolting or bonding the two threaded anchors (with ball joints) or other mounts, on either side of the crack/joint, and then reattaching the anchors to the sensor. Crack Meters are available in the following configurations:

### > AVAILABLE CONFIGURATIONS

VIBRATING WIRE - 1D

2D and 3D models are custom.

Submersible (up to 200 m) versions are also available (for example, on the upstream perimeter joint of CFRD dams).

### > APPLICATIONS

Monitor crack separation or convergence, in concrete structures.

Monitor joints for movement caused by nearby geotechnical activity.

Alarm triggering when separation or convergence of two reference points reach a preset critical rate or value - requires use of data logger and RST's GeoViewer Software (separate brochure).

### > FEATURES

Rugged & reliable construction.

High accuracy and readability.

Versatile.

Low cost.

Long-term stability.

Full performance in hostile site conditions.

### VIBRATING WIRE

#### SENSOR SPECIFICATIONS:

DESCRIPTION	SPECIFICATIONS
Range	25, 50, 100, 150, 200 mm
Accuracy	0.1% F.S.
Thermistor Type	NTC 3K Ohms @ 25°C

### CABLE SPECS - FOR VIBRATING WIRE OR ELECTRICAL CRACK METERS

PART #	DESCRIPTION
EL380004	Two twisted pairs cable with polyurethane jacket.

#### 1D ORDERING INFO (WITH GROUTABLE ANCHORS):

RANGES	PART #	COLLAPSED LENGTH
25 mm (1.0 in.)	VWCM025	278 mm
50 mm (2.0 in.)	VWCM050	311 mm
100 mm (4.0 in.)	VWCM100	436 mm
150 mm (6.0 in.)	VWCM150	564 mm
200 mm (8.0 in.)	VWCM200	694 mm

#### 1D SUBMERSIBLE ORDERING INFO: (WITH UNIVERSAL ENDS)

DESCRIPTION	PART #
25 mm (1.0 in.)	VWCM025S
50 mm (2.0 in.)	VWCM050S
100 mm (4.0 in.)	VWCM100S
150 mm (6.0 in.)	VWCM150S
200 mm (8.0 in.)	VWCM200S