



PRODUCT CATEGORY: CRACK METER
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	2D AND 3D
Submersible (up to 200 m) versions are also available (for example, on the upstream perimeter joint of CFRD dams).	Please refer to separate 3D brochure

> APPLICATIONS

Monitor crack separation or convergence, in concrete structures.	Monitor joints for movement caused by nearby geotechnical activity.
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Alarm triggering when separation or convergence of two reference points reach a preset critical rate or value - requires use of data logger and GeoExplorer software or RSTAR Affinity digital suite.

> FEATURES

Rugged & reliable construction.	High accuracy and readability.
Versatile.	Low cost.
Long-term stability.	Full performance in hostile site conditions.

VIBRATING WIRE		CABLE SPECS - FOR VIBRATING WIRE CRACK METERS	
SENSOR SPECIFICATIONS:		PART #	DESCRIPTION
DESCRIPTION	SPECIFICATIONS	EL380004	Two twisted pairs cable with polyurethane jacket.
Range	25, 50, 100, 150, 200 mm		
Accuracy	0.1% F.S.		
Thermistor Type	NTC 3K Ohms @ 25°C		

ORDERING INFO (WITH GROUTABLE ANCHORS):

RANGES	PART #	COLLAPSED LENGTH
25 mm	VWCM025	249 mm
50 mm	VWCM050	312 mm
100 mm	VWCM100	499 mm
150 mm	VWCM150	514 mm
200 mm	VWCM200	722 mm

SUBMERSIBLE ORDERING INFO: (WITH UNIVERSAL ENDS)

DESCRIPTION	PART #
25 mm	VWCM025S
50 mm	VWCM050S
100 mm	VWCM100S
150 mm	VWCM150S
200 mm	VWCM200S

Vibrating Wire
Submersible
Crack Meter



Vibrating Wire
Crack Meter



WORKS WITH
flexDAQ
DATA LOGGERS

READY TO RUN
pre-assembled
pre-wired
pre-tested
pre-programmed

rstar
AFFINITY