

CrackTracer

GA –CM- 30 Model V.1.01

GA –CM- RO Model V.1.01

30 mm Capacity*

*(please enquire for devices with different capacities)



OVERVIEW

The CrackTracer system can be utilized to numerically monitor geo and structural elements which are prone to deformation. It is a monitoring system which can be assembled within minutes to trace deformation real time on beams, columns, retaining walls, tunnel linings, natural and manmade slopes, as well as many more.

CrackTracer is a robust deformation monitoring system with an accuracy of 0.1% of the capacity. It does not require expertise to setup and get running, a novice user can begin to take readings in a matter of minutes thanks to plug and play design with LCD readout. CrackTracer is equipped with an innovative snap-magnet based referencing system enabling easy mounting.

Plug and Play

Does not require expertise, just plug the sensor, and turn on the device: Always stable



Real Time LCD Display

Measures absolute displacement instantly with the portable readout unit



Fixing Accessories

Start measuring in minutes with easy fastening components and magnetic contact detail



30 mm Capacity

Collect data with unmatched stability of 0.1% accuracy rate, with IP54 protection class



Easy Setup and Use

Once the location of screws and bolts are determined along the dominant axis of deformation, the CrackTracer is placed and secured. The reference point is adjusted using magnet bearings and portable data acquisition system is easily connected. By turning on the unit, the initial reference displacement reading displayed on the screen is recorded. The same data acquisition with 9V battery input can be used for obtaining readings from other elements of the CrackTracer array.

FEATURES

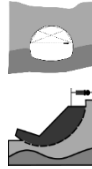
- High Quality and Repeatable Measurements with 0.025 mm Resolution.
- Compact, Durable, Strong and Lightweight Enclosure.
- IP54 Protection Class.
- Snap and Go - Magnetic Referencing System.
- Easy Setup and Maintenance Free Operation.

Technical Specifications

Measurement Range	30 mm
Analog / Digital Conversion Rate	10 bit
Supply Voltage (GA-CM-RO)	10,000 g Capacity, Piezoresistive
Material	Aluminium Enclosure for GA-CM-30, Hardened Plastic Enclosure for GA-CM-RO
Cable Length	3 m standard PVC coated 4x0.25 mm ² shielded cable, please contact for custom orders
Dimensions	128 x 138 x 48 mm (GA-CM-RO), 30 x 30 x 136 mm (GA-CM-30, unextended), 30 x 30 x 136 mm (GA-CM-30, fully extended), 158 x 35 mm (main mounting frame), 51 x 39 x 29 mm (snap and go mounting piece)

Application

- Beams, columns, structural elements
- Tunnel linings
- Retaining walls, structural joints
- Slopes



Ordering Details

- Comes with standard mounting frame. Please contact in case of a modified design request.
- Packaging contains GA-CM-30 device with standard 3 m cable length. Please contact in case of a modified design request.

