

ELECTRIC CRACKMETER

Description

The Electric Crackmeter consists of a potentiometric type of displacement transducer, that detects the variations of position between two points set between an injury or a joint. It is entirely made of aluminium, nylon and stainless steel and it is equipped with self-aligned ball-joints and a wide range of optional accessories for a correct installation, even through the most difficult crackings (injuries at the corners, edges, ect.). The electric Crackmeter is a valuable tool for continuous monitoring and the automation of small movement measurements. The main areas of application include injuries in buildings of historical interest, civil and industrial buildings, retaining structures, fractures in rock formations, dam joints, bridges, viaducts, ect.

Applications

- Injuries in buildings of historical and artistic interest
- Civil and industrial buildings monitoring
- Fractures in rocks formations
- Joints on dams, bridges and viaducts
- Alarm activation and security on work sites
- Consolidation check



Features

- Easy to install
- Long term reliability monitoring
- Degree of protection until IP67
- Manual or automatic reading
- Measurement range until 500 mm
- Various accessories available

Technical Specifications

	IP50	IP67
Installation type	indoor environments and protected outdoor environments	every type of situation
Sensor type	potentiometric	potentiometric
Range	50-100-150-200 mm	50-100-150-200-300-400-500 mm
Output signal	ratiometric	ratiometric, 0-5 V, 4-20 mA, RS485
Power supply	10-28 Vdc	10-28 Vdc
Material	stainless steel AISI 303	stainless steel AISI 303
Linearity	< 0.5% F.S.	< 0.5% F.S.
Resolution	related to the reading system	related to the reading system
Accuracy	< 0.25% F.S.	< 0.25% F.S.
Protection	IP50	IP67
Diameter	16 mm	24 mm
Operation temperature	-20.....+60 °C	-20.....+60 °C

Accessories and Spare Parts

- Self-aligning joint
- Stainless steel extension rods
- Anchor for soil or rock

Please Specify

CODE	PRODUCT DESCRIPTION
MGE-150	Electrical crackmeter IP50, FS 50 mm
MGE-160	Electrical crackmeter IP50, FS 100 mm
MGE-368	Electrical crackmeter IP67, FS 50 mm
MGE-468	Electrical crackmeter IP67, FS 100 mm
MGE-568	Electrical crackmeter IP67, FS 150 mm
MGE-620	Electrical crackmeter IP67, FS 200 mm
MGE-630	Electrical crackmeter IP67, FS 300 mm



For further information

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