

## ELECTRIC CRACKMETER VW

### **Description**

The Electric Crackmeter consists of a 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 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 IP68
- Manual or automatic reading
- Measurement range until 200 mm
- Various accessories available

## Technical Specifications

	<b>MGW-050</b>	<b>MGW-100</b>	<b>MGW-150</b>	<b>MGW-200</b>
<b>Type of sensor</b>	Vibrating wire	vibrating wire	vibrating wire	vibrating wire
<b>Range</b>	50 mm	100 mm	150 mm	200 mm
<b>Linearity</b>	< 0,5% F.S.	< 0,5% F.S.	< 0,5% F.S.	< 0,5% F.S.
<b>Resolution</b>	< 0,025% F.S.	< 0,025% F.S.	< 0,025% F.S.	< 0,025% F.S.
<b>Accuracy</b>	< 0,1% F.S.	< 0,1% F.S.	< 0,1% F.S.	< 0,1% F.S.
<b>Range frequency</b>	1400-2800 Hz	1400-2800 Hz	1400-2800 Hz	1400-2800 Hz
<b>Standard frequency</b>	1500 Hz	1500 Hz	1500 Hz	1500 Hz
<b>Protection class</b>	IP68	IP68	IP68	IP68
<b>Operating temperature</b>	-20.....+80 °C	-20.....+80 °C	-20.....+80 °C	-20.....+80 °C
<b>Termistore</b>	NTC 3 KΩ	NTC 3 KΩ	NTC 3 KΩ	NTC 3 KΩ
<b>Diameter</b>	12.7 mm	12.7 mm	12.7 mm	12.7 mm
<b>Material</b>	Stainless steel	Stainless steel	Stainless steel	Stainless steel

## Accessories and Spare Parts

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

## Please Specify

<b>CODE</b>	<b>PRODUCT DESCRIPTION</b>
MGW-050	Electrical crackmeter VW, FS 50 mm
MGW-100	Electrical crackmeter VW, FS 100 mm
MGW-150	Electrical crackmeter VW, FS 150 mm
MGW-200	Electrical crackmeter VW, FS 200 mm

## For further information

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