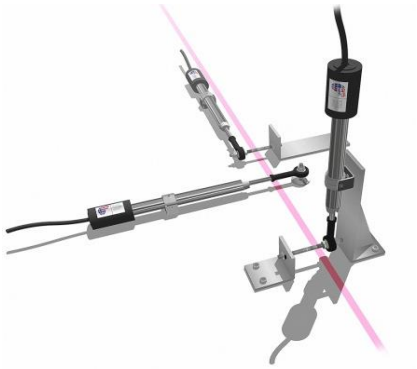
ELECTRICAL CRACK METER

TECHNICAL FEATURES

- ✓ Type of sensor: linear potentiometer;
- ✓ Resolution: virtually infinite;
- ✓ Accuracy: 0.1% FS;
- ✓ Output signal: 0-5 VDC, 4-20 mA (with signal converter);
- ✓ Operating temperature: from -30° C to + 100° C;
- ✓ Material: AISI 304 stainless steel;
- ✓ Protection level: IP 67.



3 dimensional monitoring

Crack meter sizes

CE product compliant with European directives

The electrical crack meter is used to continuously measure the evolution of structural joints, fissures and joints in concrete structures.

The instrument consists of a cylindrical body that houses the displacement transducer connected to a sliding rod, which translates the movements of the fissure monitored (either widening or narrowing displacements) into an electrical signal.

The two ends of the sensor are anchored with plugs across the fissure.

It may have different measuring ranges according to the application.

To assess the three dimensional movement of the fissure, the crack meter can be installed in the three main directions. (x-y-z).

ELECTRICAL SPECIFICATIONS AND DIMENSIONS				
measuring range (mm)	25	50	100	150
resistance (kΩ)	1	2	4	6
maximum power supply (V)	20	40	60	60
compressed length (mm)	200	275	360	475
extended length (mm)	225	325	460	625
body diameter (mm)	16			
head diameter (mm)	8			
material	AISI 304 S/S			
weight (g)	125	185	270	350

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