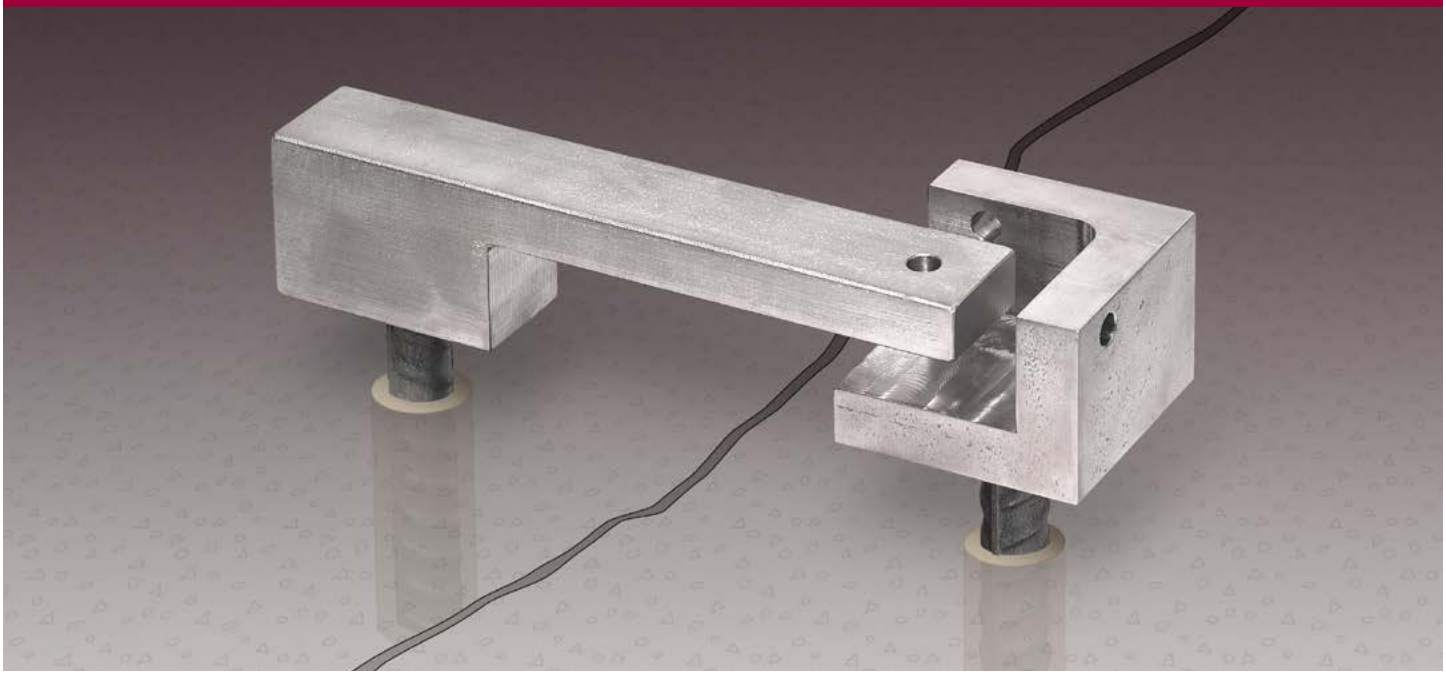
3D CRACKMETER

GEOKON®

MODEL 4415



The Model 4415 3D Crackmeter.

APPLICATIONS

The Model 4415 3D Crackmeter is designed for the measurement of:

- Cracks in concrete or masonry structures
- Construction joints in mass concreter

OVERVIEW

The Model 4415 3-Dimensional Crackmeter is a simple and rugged instrument designed to manually measure the displacement across cracks and/or expansion joints in three directions. The Crackmeter is manufactured from stainless steel, for optimum corrosion resistance, and is supplied in two halves that are mounted, using groutable rebar anchors, on either side of the crack or joint.

Once installed, measurements are made using a depth micrometer or dial gauge that is inserted into each of the three access holes. Displacements (direction and magnitude) are determined by comparing the base readings with the current readings.

CRACKMETER TECHNICAL SPECIFICATIONS

Mechanical Range in each X, Y, Z axis[1]	4415-1: ±12.5 mm 4415-3: ±25 mm 4415-5: ±50 mm
Material	stainless steel
Anchors	#4 rebar
Anchor Dimensions (Ø × H)	12 mm × 150 mm

[1]From factory set midrange position

TYPICAL DEPTH MICROMETER/DIAL GAUGE TECH SPECIFICATIONS

Range	50–150 mm
Resolution	0.01 mm
Accuracy	0.05 mm

Model 1400-1 Dial Indicator (top) and Model 1400-4 Digital Depth Micrometer.

Closeup showing alignment block and cap screws, used during installation, for correct spacing.

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