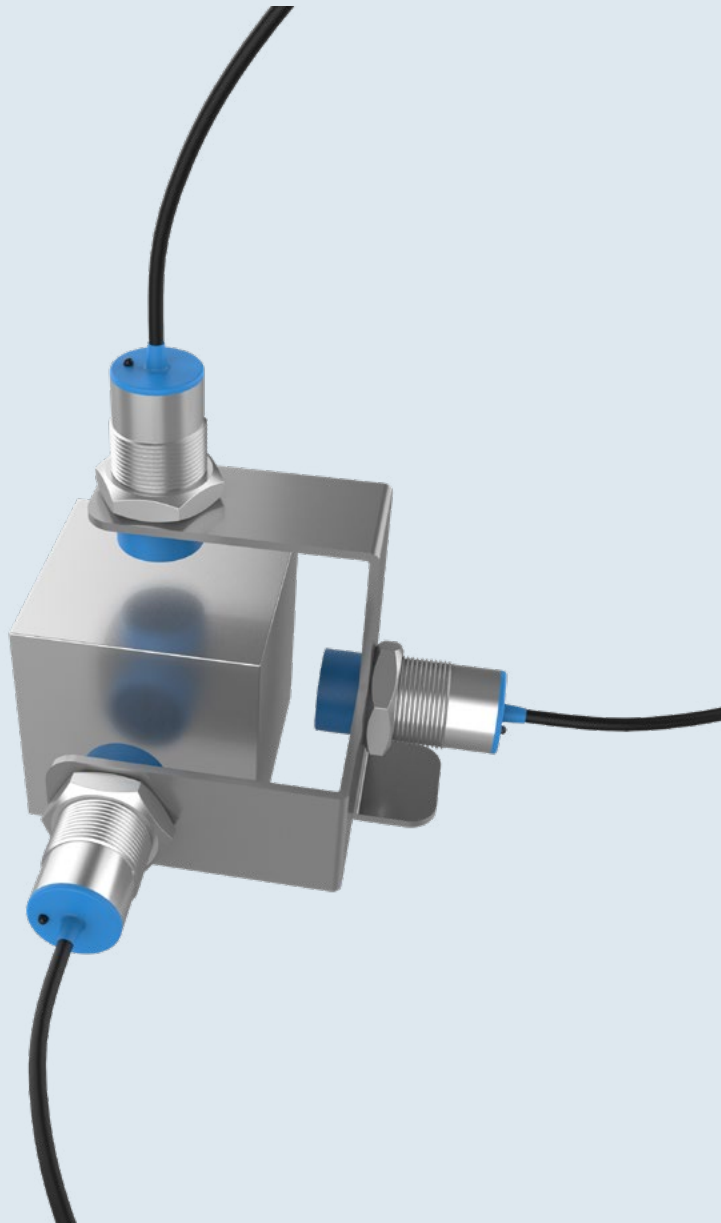


DS812

Triaxial joint meter



Description

It is not always possible to detect movements on joints, cracks or fractures using the traditional uniaxial joint meter. In fact, sometimes the result of a displacement is the sum of several components: orthogonal, transversal and vertical.

Then, using the geometrically arranged uniaxial joint meters can become difficult, considering the available space and expensive considering the cost. To this end, SIM INSTRUMENTI has produced the DS812, an instrument capable of simultaneously detecting three axes (X-Y-Z) with electric-type sensors.

In addition to the high reliability inherent in traditional uniaxial joint meters, the triaxial system combines two more advantages:

- mechanical retraction between the sensor and the feedback (this allows not to invalidate in any way the simultaneous readings on three axes, as there are no frictions due to the sensor-feedback contact)
- economic convenience compared to the purchase of three uniaxial joint meters.

Every sensor is provided with a calibration certificate that attests the results of the test performed and all electromechanical features.

Manual read out with DATAVIEW.

Automatic read out with MINILOG, MYLOG.

Readout units with NATUN.

Applications

Structural cracks, structural joints, pile displacements etc.



DS812

Triaxial joint meter

Technical features		
Model	DS812-01	DS812-02
Sensor	Inductive	
Range	1.5 ÷ 15 mm	0.1 ÷ 20 mm
Linearity	±0.15% FS	
Maximum dimensions	150 x 150 x 150 mm	
Weight	0.5 Kg	0.7 Kg
Supply	10 ÷ 30 Vcc	
Output	4 ÷ 20 mA	
Resolution	0.01 mm	
Operating temperature	-10 ÷ +55 °C	
Protection	IP67	
Material: sensor body / feedback / support bracket	Nickel plated brass / Anticorodal / Stainless Steel	
Accessories		
Protection case	DS812-AX-SCA	
Replacement sensor 15 mm	DS812-AX-01	
Replacement sensor 20 mm	DS812-AX-02	