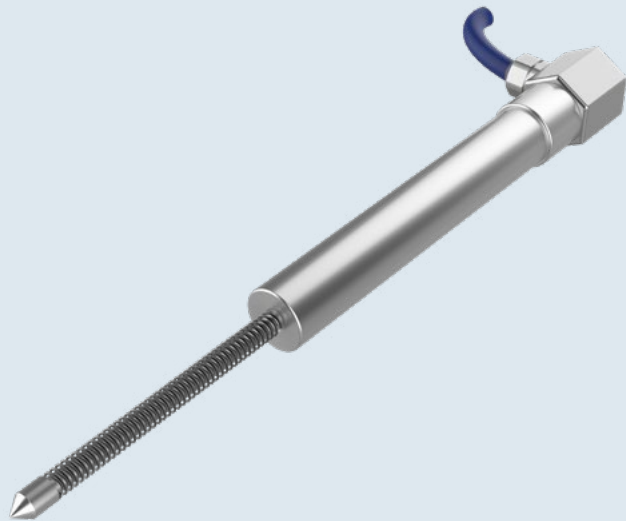


DS810

Joint meter



Description

The DS810 joint meters are designed for measuring displacement between two points. Therefore they are used for monitoring cracks or joints in structures or rocks.

They are produced in 3 different versions, using a range of mounting brackets they can be used in orthogonal, vertical or transversal applications. The joint meters are suited for every weather condition maintaining high reliability.

The DS810-01 model is suited to be mounted on the head of the multipoint borehole extensometer.

The DS810 has various technical configurations: several ranges can be chosen (10...100mm), supply (2...12Vcc) and output (mV,mA).

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

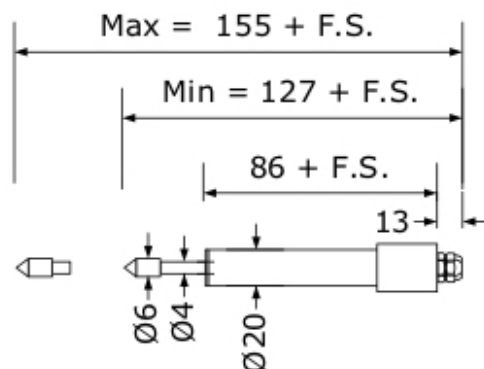
Structural cracks monitoring.



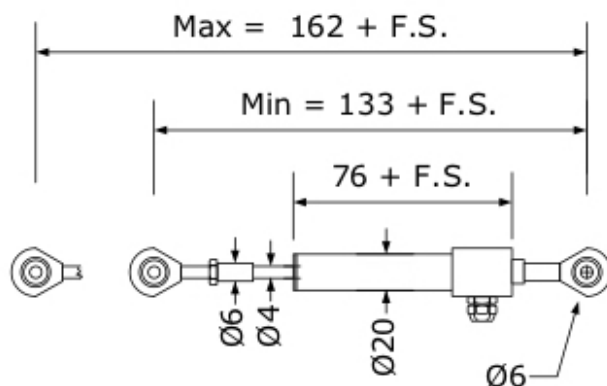
DS810

Joint meter

Mod. DS810-01



Mod. DS810-03



Technical features

Model	DS810-01-AA-FS*	DS810-03-AA-FS*
Sensor	Potentiometer	
Range	25, 50, 100, 150, 200, 250, 300 mm	
Possible combinations between Supply / Output	-01	1-12Vcc / 1000mV/V
	-02	7-24Vcc / 0-1V
	-03	7-24Vcc / 0-2V
	-04	7-24Vcc / 0-5V
	-05	8-24Vcc / 4-20mA
Linearity	± 0.1 %FS	
Repeatability	<0.01%	
Resolution	0.01 mm	
Operating temperature	-30 ÷ +100 °C	
Insulation	>100MΩ a 500V	
Protection	IP65	
Material	Stainless Steel	

Accessories

Couple of spherical joints	DS810-AX-SGS1
Mounting bracket with adjustment X axis	DS810-AX-MWAX
Mounting bracket with adjustment Y axis	DS810-AX-MWAY
Mounting bracket with adjustment Z axis	DS810-AX-MWAZ
Triaxial bracket	DS810-AX-MWAT
Demo plate for wall mounting	DS810-AX-MWDP
4-20 mA converter	DS810-AX-BEMA

*FS Indicate the sensor range

*AA Indicate the Supply / Output combination (-01... -05)