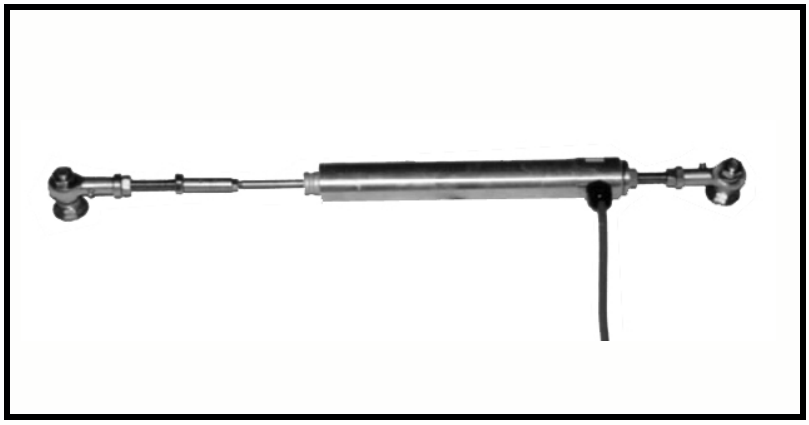
JOINT METER

DS 810



Mounting bracket for all applications

Easy to install

Up to 200 mm

Reliability for long term monitoring

General

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).
Since has this sensor an electrical output, it can be easily read by any data acquisition system produced by SIM:

A. MINILOG data acquisition system
B. NATUN data acquisition system
C. DATAVIEW read out unit

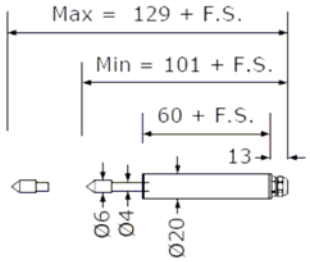
Applications

Structural cracks monitoring.

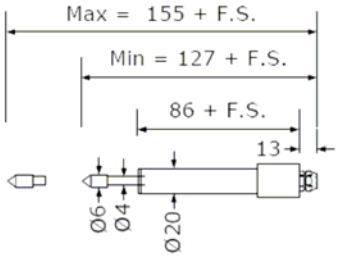
SIM

Strumenti e sistemi per la geotecnica per il controllo di strutture e la salvaguardia dell'ambiente

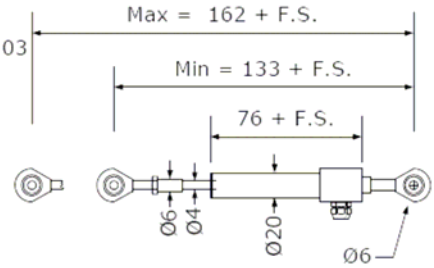
Mod. DS800 - 01



Mod. DS800 - 02



Mod. DS800 - 03



Technical features

Model	**DS810**
Sensor	Potentiometer
Range	10, 25, 50, 100, 200 mm
Supply	2Vcc, 5Vcc, 8÷24Vcc
Output	1000mV/1V, 0-5Vcc, ±1Vcc, 4÷20mA
Linearity	± 0.1% F.S
Repeatability	<0,01%
Resolution	0.01 mm
Operating temperature	-30 ÷ +100 °C
Protection	IP65
Material	INOX

Accessories & spare parts

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

DS810_EN ED01/07

CE

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