

LASER DISPLACEMENT SENSOR

Description

Gestecno's laser displacement sensor uses a laser to measure the distance between 2 reference points and an inclinometer to detect the vertical deviations of the structures on which it is fixed.

One of the two points can be a surface or a natural target, while the sensor can be positioned at the other point. The clinometer provides measurements of variation of verticality in the ground or in structures, and is used for tilt control, differential displacements or settlements on slopes or infrastructure. Gestecno also supplies the accessories necessary for mounting on both horizontal and vertical supports. vertical.



Technical features

Measuring principle	Laser (class 2—655 nm red)
Power supply	9...24 Vdc
Integrated 3D MEMS clinometer	FS +/- 90°
Measuring range	0.05÷15 m (natural surface) 15÷40 m (matt white surface) 40÷60 m (orange surface)
Total accuracy	+/- 1 mm (at 10 m)
Resolution	0.1 mm
Response time	< 10 seconds
Exit	RS485 (Modbus RTU)
Operating temp.	-20...+60 °C
Protection class	IP67



Ordering Information

PRODUCT	DESCRIPTION CODE
SSL-100	Laser Displacement Sensor with Clinometer
CLV-220	Stainless steel bracket, 2-axis adjustment

For more information:

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