

DISPLACEMENT TRANSDUCERS VW

Description

The displacement transducers are commonly used to run on automatically and continuously the measurements of borehole rod extensometers.

It is necessary to install one displacement transducer for each point of measure in order to transform the mechanical movement of the rod into an electrical signal.

They are entirely made of stainless steel and are equipped with suitable fittings for a proper installation on the head of strain gauges. They are also available in a variety of ranges.

Generally, the electric cables of the single transducers are wired in a single multipolar cable that comes out of the protective cover and reaches the centralization panel or the automatic acquisition system.

Applications

- For the automatic measure of borehole rod extensometers
- For the measurement of vertical deformations during load tests on poles
- Joint measurements



Features

- Reliability also for extended monitoring over time
- Good resolution and accuracy
- Protection class IP68
- Compact and robust stainless steel construction

Technical specifications

	TSW-050	TSW-100	TSW-150	TSW-200
Type of sensor	Vibrating wire	vibrating wire	vibrating wire	vibrating wire
Range	50 mm	100 mm	150 mm	200 mm
Linearity	< 0,5% F.S.	< 0,5% F.S.	< 0,5% F.S.	< 0,5% F.S.
Resolution	< 0,025% F.S.	< 0,025% F.S.	< 0,025% F.S.	< 0,025% F.S.
Accuracy	< 0,1% F.S.	< 0,1% F.S.	< 0,1% F.S.	< 0,1% F.S.
Range frequency	1400-2800 Hz	1400-2800 Hz	1400-2800 Hz	1400-2800 Hz
Standard frequency	1500 Hz	1500 Hz	1500 Hz	1500 Hz
Protection class	IP68	IP68	IP68	IP68
Operating temperature	-20.....+80 °C	-20.....+80 °C	-20.....+80 °C	-20.....+80 °C
Termistore	NTC 3 K Ω	NTC 3 K Ω	NTC 3 K Ω	NTC 3 K Ω
Diameter	12.7 mm	12.7 mm	12.7 mm	12.7 mm
Material	Stainless steel	Stainless steel	Stainless steel	Stainless steel

Accessories and spare parts

- Connection for fixing to the head of borehole rod extensometers
- Signal cable

Please specify

CODE	PRODUCT DESCRIPTION
TSW-050	Displacement transducer VW FS 50 mm
TSW-100	Displacement transducer VW FS 100 mm
TSW-150	Displacement transducer VW FS 150 mm
TSW-200	Displacement transducer VW FS 200 mm
TSW-613	Fitting for the head of borehole rod extensometer

For further information:

Gestecno s.r.l.

Loc. Lanciano, 22 - 62022 Castelraimondo (MC) - Italy
Tel/fax: (+39) 0737.642174 - P. IVA 01137480438
e-mail: info@gestecno.it - WEB: www.gestecno.it