

Embankment extensometers are used to measure soil strains in large earth structures.

Embankment extensometers are usually incorporated in the filling material, chained together by means of extension rod.

The system consists of several measuring units connected by extension rod to the anchor plates.

Measuring unit is a telescopic section equipped with displacement transducer. Vibrating wire displacement transducers are available in different ranges.

Lateral strains beneath earth and rock fill embankments and dams

Foundation movements and control of natural and cut slopes, quarry and mining excavations

Displacements across joints and faults in rock

Displacements of retaining walls, bridge piers and abutments

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EMBANKMENT EXTENSOMETERS

ACCESSORIES AND SPARES

Four condutors cable (22AWG) with stainless 0WE104X0200 Electric signal cable steel armoured shield. Cable is fitted to the

electrical transducer during manufacture

0EPD0000000 **Electric junction box** Junction box to connect up to 10 cable inputs to one multicore cable output for connection to

a remote data acquisition system

0EPC0000000 Switch box Switch measuring box to terminate cables at readout point. Available in different sizes to

connect up to 24 trasducer outputs



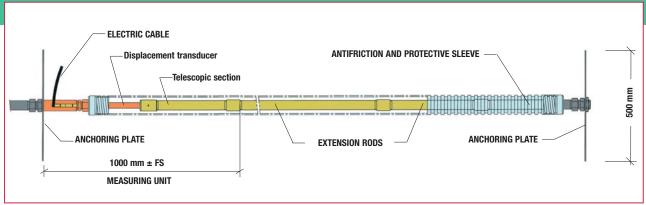
TECHNICAL SPECIFICATIONS

Model	0D2320BM000	0D111PV5500	0D232AN5000	0D232AN5500
Description	Extension rod	Antifriction and protective sleeve	Anchor plate	Anchor plate
Length	1.0, 2.0, 3.0 m	Any length coil	-	-
Dimension	OD 3/4" G (27mm)	OD 55 mm nominal	OD 500 mm	500 x 500 mm
Material	Zinc plated steel	Corrugate PVC	Zinc plated steel	Zinc plated steel

Measuring element 0D232T050VW 0D232T100VW 0D232T150VW

Type of sensor	vibrating wire linear transducer			
Full scale	50 mm	100 mm	150 mm	
Total accuracy (linearity+hysteresis+repeatability)	<0.5% FS	<0.5% FS	<0.5% FS	
Resolution	0.01 mm (depending on the readout unit)			
Signal output		frequency (VW), ohm (T)		
Operating temperature -20° C + 80° C				
Length with rod extended	1025 mm	1050 mm	1075 mm	
Material		stainless steel		

€ electromagnetic compatibility according to EN 61326-1 and EN 61326-A1 directives for EMC emission and immunity





SISGEO s.r.l. Via F. Serpero 4/F1 20060 Masate (MI) Italy Ph +39 02 95764130 Fax +39 02 95762011 info@sisgeo.com