



Electronic Extensometer



Overview

An extensometer is used to measure changes in the length of an object. It is useful for stress-strain measurements and tensile tests. In the mining environment, extensometers are used to measure displacement on highwalls. Plotting Displacement Vs Time enables geotechnical engineers to determine if wall failures are imminent.

Capacity

(mm) : 25, 50, 100, 250, 500

(mm) : 2.5, 5, 10, 25

Specification

Accuracy	0.5 / 1	Output Resistnace	350 Ω
Sensitivity	1.5 ~ 2m V / V	Insulation Resistance	>200M Ω
Non - Linearity	\leq 0.1 % FS	Reference Excitation voltage	10 V(DC)
Repeatability	\leq 0.1 % FS	Nominal Range of excitation voltage	6 ~ 12 V(DC)
Input Resistance	350 Ω	Service Temperature Range	-30 ~ 70 $^{\circ}$ C

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