



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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