SENSORS & MESUREMENTS ENTERPRISES

MODEL SME-2400 SERIES

VIBRATING WIRE TYPE CRACK METER

FEATURES:

* Accurate & Reliable
* Simple installation.
* Remote sensing.
* Large movement measurement.

APPLICATION

Displacement sensor is a reliable instrument for the following applications:

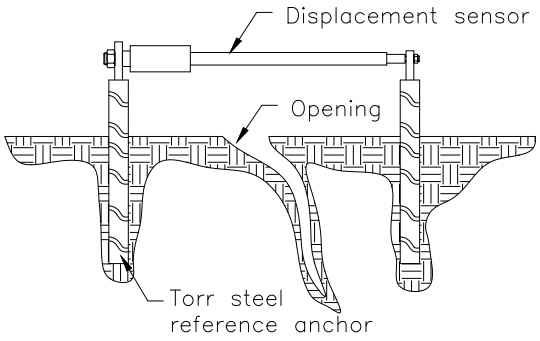
* used to measure surface cracks in dam body.
* used to measure discontinuity like, cracks, faults in rocks.
* used for lateral movement in holes with bore hole extensometer system.

DESCRIPTION

Vibrating wire type displacement sensor is comprises of displacement rod connected to a fix wire assembly through a pretension spring in a displacement tube. The measurement rod ends generally have M6 male thread for fixing the sensor to movement point. The rear end having M12 male thread for mounting the sensor to a fixed reference point for movement measurement. The pre-tensioned wire is pulled through an electromagnetic coil assembly which in in turn vibrate the wire to its natural frequency. This frequency of the pretension wire with the movement to displacement rod through spring is measured & read in microprocessor based readout unit model SME 2460-S.

SPECIFICATIONS

*	Model no.	:	SME 2110
*	Range	:	25mm, 50mm, 100mm, 150mm & (optional) 200mm
*	Accuracy	:	Better than 1% fsd optional 0.5% on demand
*	Temperature range	:	-20°C to 70°C
*	Temperature effect	:	0.05% FS/°C
*	Material	:	Stainless steel.
*	Cable length	:	Standard 2 meter



ORDERING INFORMATION

* Model no.
* Range.

ACCESSORIES

* Readout unit Model SME 2460-S.
* Terminal boxes

Due to continuous development program the specification and dimensions are subject to change without notice. Our engineers do undertake the work for development as per the customer's requirement.

Sensors & Measurements Enterprises

Works cum office : A-65(1), Govt. Industrial Estate Talkatora Road, Lucknow-226011, Telefax: 0522-2661617, mob. +91-9415101236, 9565563203 email: smeprajapati@gmail.com, smegeotech@gmail.com, website: www.smegeotech.com.