



**MODEL SME-2200**

## **VIBRATING WIRE TYPE TILTMETER**

### **FEATURES**

- \* Proven Vibrating Wire Technology
- \* Excellent Long-terms stability
- \* Rugged design
- \* High Sensitivity.
- \* Easy in Installation

### **DESCRIPTION**

The SME Model 2200 tilt meter is designed to measure tilt in structures such as Dams body, Building, embankments and also for measurement related to the stability of slopes, open pits and the wall of excavations e.g. slurry walls. The tilt meter is permanently attached to the structure to be measured. The measurement can be made on horizontal or vertical surface. Subsequent sets of readings show how the structure is behaving and will give an indication of permanent deformation as time progresses.

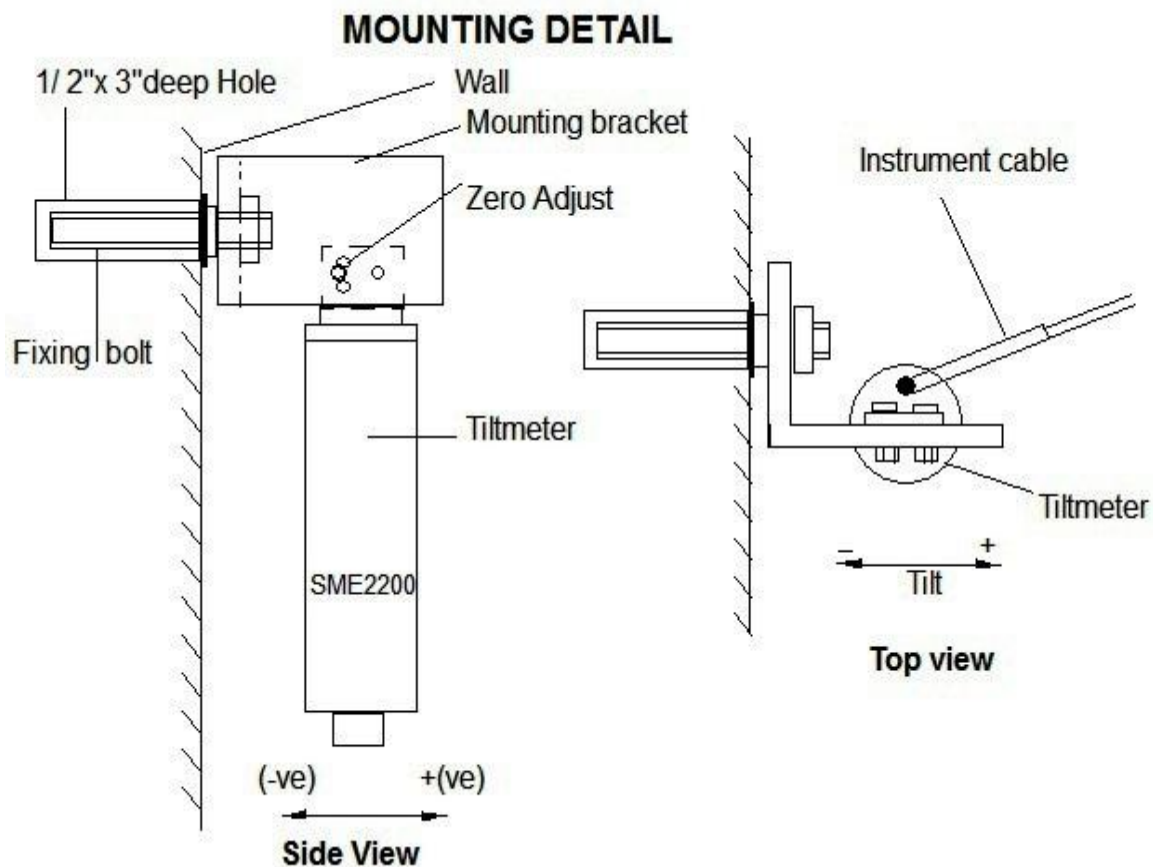


### **OPERATION**

The sensor comprises of pendulous mass supported by a V/W strain transducer and the elastic hinge. The strain gage measures changes in force caused by the relation of the center of gravity of mass. The readings are taken with the help of SME 2460-S Vibrating Wire readout unit remotely and directly in degree.

## SPECIFICATIONS

Transducer type	:	Vibrating Wire type
Model	:	SME 2200
Full scale Range	:	$\pm 10^\circ$ (standard) and $30^\circ$ on demand
Resolution	:	$0.01^\circ$
Material	:	Stainless Steel (except mounting bracket)
Accuracy	:	$\pm 1\%$ FSD



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

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