



## REMOTE CONVERGENCE INDICATOR

### FEATURES

- \* Accurate Measurement.
- \* Reliable.
- \* Rugged design.
- \* Simple Installation
- \* Remote data (optional)
- \* Water proof sensor & system

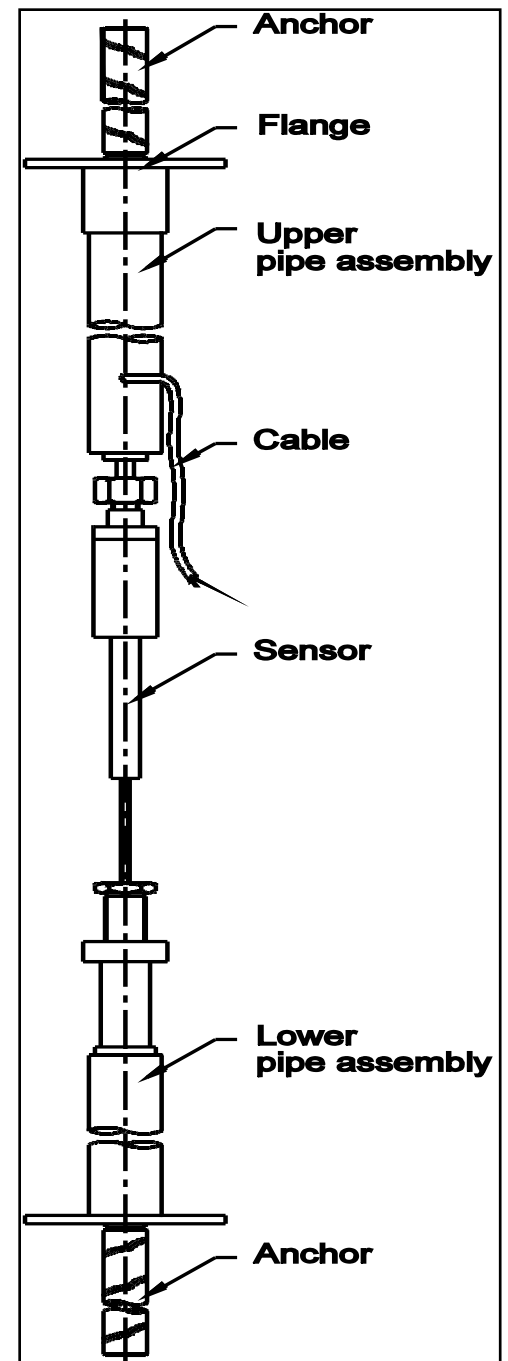
### APPLICATION

Convergence meter Model SME 2540 is a device for measurement of convergence in mines and under ground convergence between roof and floor of the cavity. System is available with different types of sensors like linear potentiometer type displacement sensor, resistance type sensor or Vibrating wire type displacement sensor for accurate remote measurement. Remote type system is generally used where access is not always possible or some secondary measurement like data acquisition system to be installed for continuous recording for convergence measurements.

### DESCRIPTION

System generally comprises of one set of telescopic tubing of required height. The length of tubing generally depends on the maximum convergence accepted in the cavity or a little more than the range of sensor. Both the tubing has anchoring flanges at one end for fixing it with roof and floor where as free end moves in each other in perfect alignment. The sensor is completely water proof and fixed outside on extended plate assemblies for installation ease. Optional model with inbuilt sensor in the tubes is also available. Maximum convergence range upto 300 mm (500mm in case of resistance type sensor) is available in this model.

Top flange assembly is provided with height adjustment extension pipes to suit cavity height. Basic assembly height is 2 meters.



## SPECIFICATIONS

Model	:	SME 2540
Measuring Range in (mm)	:	100, 150 & 200 (500mm in case of resistance type)
Accuracy	:	$\pm 1\%$ fsd standard ( $\pm 0.2\%$ with potentiometric sensor)
Resolution	:	0.1 % with readout unit
Installation height	:	2 to 3.5 m. (adjustable) others on demand.

## ORDERING INFORMATION

*	Model no	:
*	Type of sensor	:
*	Installation height	:
*	Range	:

## ACCESSORIES REQUIRED

- \* Readout unit

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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