



AUTO WARNING CONVERGENCE METER (TELLTALE)

FEATURES

- * Accurate & Reliable
- * Easy Installation.
- * Scale visibility
- * Light visible from 100 m. distance.
- * Intrinsically safe tested by CIMFR Dhanbad.
- * BIS Approved.

APPLICATIONS

Model SME 2480-S auto warning convergence meter (telltale) is very simple & general design to measure deformation in roof of coal mines at one point.



DESCRIPTION

System has one strong spring anchors. The anchor will be installed in a 40 mm dia. hole at required height with the help of installation tool. The steel wire is attached with anchor and three colors reflective scale.

The two LED lights are provided in the body of housing. The deformation gap can be adjusted from 5mm to 25 mm. The adjusting arrangement is provided in the bottom of the scale pipe assembly. When deformation of roof reaching it's preset value the LED will start flashing and it will flash continuously for 30 days. The flashing time can be extended up to 40 days on demand. The tri-scale is also visible to see actual deformation hence the actual roof convergence can be seen every day.

ADVANTAGE

As the system is based on mechanical spring anchors hence it is most reliable system. This will give light indication when the deformation of roof reaches to its pre-set value, consequently safety precaution can be taken after flashing the light.

General specification

| | |
|----------------------|---------------------------------------------------------------------------------------------------|
| Model no. | : SME 2480-S |
| Range of measurement | : 5 mm to 25 mm (optional up to 30mm) |
| Installation height | : 2 meter to 6 meter. (Optional up to 12 meter) |
| Trigger level | : 5mm to 10 mm adjustable. |
| Light Indication | : Flashing by 2 LED. |
| Battery Backup | : 30 days standard (optional 40 days) |
| Water Proof | : The system is water proof |
| Intrinsically safe | : Tested & certified by CIMFR Dhanbad vide certificate no. IN/CIMFR/TR22/R/3145 dt.20/01/2022. |
| DGMS Approval | : As per DGMS Circular no. DGMS/S&T/Tech. Cir. (Approval)No.15 dt.04/6/2015/. |
| BIS Approved | : License no. 930004008. |

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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