



DOUBLE POINT WIRE EXTENSOMETER

MODEL - TTSW-2

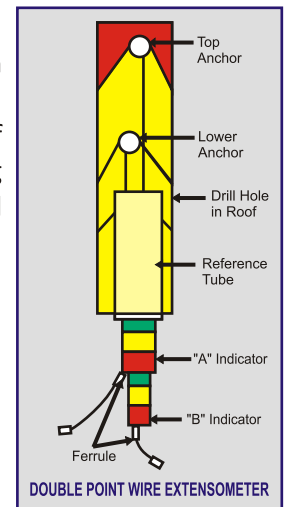
INTRODUCTION :

With conventional free standing support such as props, there is obvious indication when they are carrying excessive load, the greater the load the greater the deformation. Roof bolts however give no visual indication of load increase and therefore no indication of how close either the individual bolts or the system is to ultimate failure. Tell tale multi spring wire extensometer will detect any unstable trends in the starta so that timely remedial action can be taken by the management.

Model TTSW-2 is double point wire spring extensometer. It is designed to measure deformation in rocks up to 5m lepth.

Features:

1. Rapid and simple to install
2. Rugged construction
3. Highly reliable and accurate
4. Non rusting and non corroding
5. Economical
6. Monitors continuously the status of Roof stability
7. Can distinguish between deep seated movement and surficial spalling
8. Visual indication available.



Position of monitoring stations:

The location of monitoring station is difficult to specify as it will depend upon local situation, such as type of starta, the mining system, position of junction, geological condition. Still a rough guide is:

1. Junction of roadways.
2. At intervals of not more than 20 m
3. At geological disturbed area
4. At places instructed by supervisory staff

INTERPRETATION GUIDE

SCALE READING	COLOUR	ROOF CONDITIONS	WORKING CONDITION
0-25 MM	GREEN	GOOD	+SAFE
25-50MM	YELLOW	FAIR	ALERT Improve Support
50-75 MM	RED	BAD ROOF May fall any time	X DANGEROUS stop working

READING METHOD

BY COLOUR

Report by whole and part bands visible, for example, "A" Green "B" Yellow
Report daily, unless instructed otherwise

BY SCALE

Report measurement, in mm., lining up with reference mark for each anchor.
Reference for "A" is bottom of reference tube.
Reference for "B" is bottom of indicator "A"
Scale has mm divisions, with cm marks

For example "A" = 12mm "B" = 31 mm Total = "A" + "B" = 43mm



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