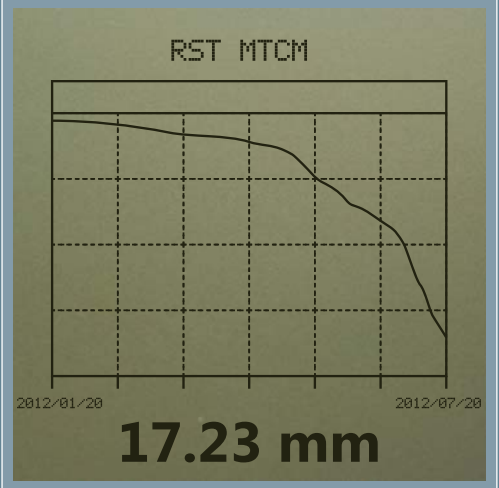
MTCM - Graphing Logger



Close-up of display showing typical reading with graph.

The MTCM reads, displays, logs and graphs mine tunnel convergence from instruments based on linear potentiometers such as convergence monitors and ground movement monitors.

Designed for use underground, the display for the MTCM is backed by a high efficieny LCD which provides immediate illumination upon the touch of any button. The unit's simple power supply of 3 "AA" alkaline batteries offers quick replacement in the field if required.

Autonomous logging at 4 hour intervals, flexible memory options, unprecedented accuracy and ease of use make the MTCM invaluable for projects requiring monitoring of mine tunnel convergence.

A field programmable tracking window alarm, with flashing LED warning and acknowledge reset, serves as a visual safety element from a distance.

specs

DESCRIPTION	SPECIFICATION
Excitation Range - Volts	3.3
Resolution	0.002%
Display	Graphic 128 x 128 pixels large character display
Display Backlight	High efficiency LCD with auto off
Memory Capacity	20,000 custom labelled points
Location Identification String	Up to 20 characters
Download Speed	15 seconds (full memory)
Battery	3 "AA" alkaline / 2 years
Battery Indicator	On-screen, low battery indicator
Operating Temperature	-20°C to 60°C
Dimensions	W 22 cm x D 19 cm x H 9.5 cm (8.75 x 7.5 x 3.75in.)
Weight	1.1 kg (2.4 lbs)

ordering info

ITEM	PART #
MTCM - Graphing Logger	ELMTCM

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applications

Reads, displays, logs and graphs mine tunnel convergence from instruments based on linear potentiometers such as convergence monitors and ground movement monitors.

features

Durable, compact design for excellent portability and field use.

Autonomous logging at 4 hour intervals.

Large graphics display with a convenient backlight activated by pushing any button.

Flashing LED warning alarm viewable from a distance.

Readings in % FS or engineering units.

Field-replaceable "AA" alkaline batteries eliminate the need for a large, bulky 12 V battery and a charger.

Data transfer to a host computer via USB in a compatible file format for Microsoft Excel® and other spreadsheets. User friendly host software for Microsoft Windows® included.

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