



» extensometers

MTCM - Closure Station

MTCM Closure Station



The large graphics display has a convenient backlight and can be activated by pushing any button.



The DOT-C2 reflective tape is highly visible in under lit environments.



MTCM with Displacement Sensor



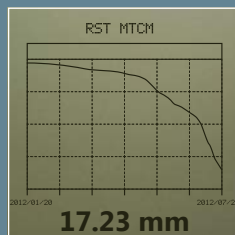
The MTCM Graphing Logger takes readings and graphs data from the MTCM with Displacement Sensor.

The MTCM Closure Station with displacement sensor can measure, display, log and graph mine tunnel convergence. The modular extension system permits a broad range of tunnel sizes from 1.8 - 4 m to be monitored, using standard unistrut extensions and hand tools.

Designed for use underground, the display for the MTCM Closure Station is backed by a high efficiency LCD which provides immediate illumination upon the touch of any button. The unit's simple power supply of a lithium 'D' battery offers quick replacement in the field if required.

Autonomous logging at programmable intervals, flexible memory options, unprecedented accuracy and ease of use make the MTCM Closure Station 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.

Alternatively, the MTCM with displacement sensor provides the same measuring capabilities as the MTCM Closure Station, but it does not offer on-board display and graphing. Readings are taken separately by MTCM Graphing Logger or the unit can also be connected to a remote data logger. It is ideal for placement in locations where constant access is not expected or recommended.



A screen shot of the on-board MTCM Closure Station display shows a typical reading with graph.

specs

DESCRIPTION	SPECIFICATION
Range (Closure Station)	150 mm
Range (with Displacement Sensor only)	50, 100 and 150 mm
Resolution	0.01 mm
Display (Closure Station)	Graphic 128 x 128 pixels large character display
Display Backlight (Closure Station)	High efficiency LCD with auto off
Memory Capacity	385,000 readings
Location Identification String	Up to 20 characters
Download Speed	15 seconds (full memory)
Battery	Lithium 'D' / up to 10 years (dependent upon frequency of readings)
Battery Indicator	On-screen, low battery indicator
Operating Temperature	-20°C to 60°C
Tunnel Size	1.8 - 4 m (70 - 157 in) (other lengths available)



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applications

Equipped with a displacement sensor, the **MTCM Closure Station** reads, displays, logs & graphs mine tunnel convergence. The modular extension system permits a broad range of tunnel sizes.

The **MTCM with Displacement Sensor** measures mine tunnel convergence except readings must be taken externally by the MTCM Graphing Logger. It is ideal for placement in areas where constant access is not expected, or recommended.

closure station features

Durable, compact design for easy deployment.

Autonomous logging at programmable intervals.

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

Flashing LED warning alarm viewable from a distance.

Readings in engineering units.

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.

ordering info

ITEM	PART #
MTCM Closure Station	ELMTCM-P150 - 150 mm range
MTCM with Displacement Sensor (readings must be taken with MTCM Graphing Logger)	ELMTCM-S-50 - 50 mm range ELMTCM-S-100 - 100 mm range ELMTCM-S-150 - 150 mm range
MTCM Graphing Logger	ELMTCM

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