

VIBRATING WIRE READOUT UNIT MODEL MB-3TL

ROCTEST
TELEMAC **SMARTEC**

APPLICATIONS

The MB-3TL is a portable, battery-operated readout unit with logging capability designed to read vibrating wire gauges and thermistors.

TECHNICAL DESCRIPTION

The MB-3TL is a user-friendly readout that provides fast readings for all pluck-type vibrating wire sensors on the market. Its LCD display shows direct frequency readings (Hz or Hz²) and gauge temperature (including thermistor or RTD).

In addition, battery voltage is displayed every time the readout unit is powered on.

The unit is ready to be used in the field, even in harsh environments, thanks to its splashproof case, sealed front panel and connector.

In addition to the above features, the MB-3TL offers datalogging functions. Its non-volatile memory can store over 8,000 data sets and a sensor ID may be specified when the reading is saved.

Very easy to use: the operator simply connects the sensor to the readout, selects a sweep and records a reading by the click of a button. No calibration factors to load, so it is always ready to use.

The MB-3TL is supplied with a PC compatible software. This software allows easy transfer of data and configurations, editing and logging in formats compatible with programs such as WordTM and/or ExcelTM.



FEATURES

- High accuracy and reliability
- Usable in harsh environments
- LCD
- 2 x battery type "D"
- Stores over 8,000 data sets
- Data sets and configuration easily transferred to/edited on a computer
- Internal software in user-upgradable flash ROM through RS-232 serial link

TECHNICAL SPECIFICATIONS

Display	Liquid crystal, 2 lines, 20 characters
Memory	8,000 data sets
Communication	RS-232
Accuracy	± 0.02% of Hz reading
Range	Vibrating wire: 450 to 6,000 Hz
Temperature measurement	-20 to 120°C (3k Ω thermistor)
Excitation mode	Square wave
Displayed resolution	0.01% of F.S.
Battery	2 x type "D" cells
Battery life (typical)	60 hours at 20°C
Dimensions	23.5 x 19 x 10.8 cm
Weight	1.8 kg

ORDERING INFORMATION

The unit includes jumper cable Canon to alligator clip, RS-232 cable and software.

Optional accessories: USB RS-232 adaptor, Nylon carrying case