



Vibrating Wire Readout Model 6530-RT-MB Series

FEATURES

MB-6T

- High accuracy and reliability
- Usable in harsh environments
- LCD with backlight
- Long battery life
- Ohm mode for field troubleshooting

MB-6TL

- Stores over 4000 data sets
- Data sets and configuration easily transferred / edited on a computer
- Internal software in user upgradeable flash ROM through RS-232 Serial Link
- MSHA approved version available

APPLICATIONS

The MB-6T is a portable, battery operated readout unit designed to read vibrating wire gauges and thermistors.



Description

MB-6T STANDARD VERSION

The MB-6T is an easy-to-use readout that provides fast and accurate readings. Its LCD display presents a maximum of information including output signal period, linear or frequency reading, gauge temperature, thermistor's ohm value, gage factor and gauge type.

In addition, battery voltage may be displayed as well as a warning message when power level is low. When power reaches a critically-low level, the readout automatically shuts off to avoid battery damage.

The unit is ready to be used in the field, even in harsh environments thanks to its waterproof case, sealed front panel, connector caps and optional internal heating element.

Its auto control test and bad signal quality detector restrict erroneous data display. All sockets are protected against voltage surges.

MB-6TL - LOGGER VERSION

In addition to the above features, the MB-6TL offers powerful datalogging functions. Its 128 Kb of static RAM can store over 4 000 data sets.

The unit is easy to use: the operator selects a gauge, connects it to the readout and records a reading by a single flick of a switch. One may also view previously recorded data for comparison and validation.

The MB-6TL is supplied with the PC compatible MBTALK software. This software allows easy transfer of data and configurations, editing and logging in formats compatible with utilities such as Word™, Excel™ and Lotus 1~2~3™.

Options

- Internal heating element
- Insulated carrying case
- MSHA approved MB-6TL version (U.S. Mine Safety and Health Administration)

Ordering Information

Unit includes jumper cables, connector caps, carrying case and MBTALK software (with the MB-6TL only)

Please specify:

- Model
- Line voltage for battery charger (110 or 220 VAC)
- Options required

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Specifications

MODEL	MB-6T	MB-6TL
Dimensions:	15 x 15 x 25 cm	
Weight:	3.1 kg	
Measuring range:	Vibrating wire: Temperature: Resistance:	180 to 2300 msec 435 to 5600 Hz -40°C to +65°C 0 to 100 kW
Excitation mode:	Sine wave	
Displayed resolution:	Wire: Temperature: Resistance:	0.01 msec (NORMAL) 0.01 units (LINEAR) 0.01 Hz (FREQUENCY) 0.1°C (0.1°F) 0.1% of full scale
Pre-programmed thermistor type:	2.3 and 10 kW	
Battery:	12 VDC, 2.3 A h. rechargeable, charger included	
Battery life (typical):	20 hours of continuous operation (10 hours with back light activated)	
Operating temperature:	- 5°C to +45°C	
Storage temperature:	- 30°C to +55°C	
Display:	Liquid crystal, 2 lines, 20 characters each with selectable backlight	Liquid crystal, 4 lines, 20 characters each with selectable backlight
Memory:		RAM: 128 K static RAM ROM: 128 K FLASH Storage: 4000 data sets Gauge ID: 8-character user defined
Communication:		RS-232, 9600 baud, 8-bit word Without parity, 1 stop bit Transmission format: ASCII
Internal clock:		Accuracy: 30 seconds per month

Due to on-going design improvements and reviews, we reserve the right to amend product and specifications without prior notice



FOR FURTHER INFORMATION

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