rst INSTRUMENTS

Monitor
with
Confidence

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ISO 9001
Certified System

PRODUCT CATEGORY:
READOUTS + DATA LOGGERS

VW2106
Vibrating Wire Readout

The portable VW2106 Vibrating Wire Readout reads, displays, and logs both vibrating wire sensors and thermistors. Vibrating wire load cells can be read without any additional accessories.

Unprecedented accuracy, flexible memory options, and ease of use make the VW2106 invaluable for projects requiring vibrating wire sensor monitoring. Maximum download time is only 15 seconds.

Complementing its high level of accuracy, the VW2106 is also designed for maximum efficiency with the user in mind. In addition to the simple power requirements of only 3 "AA" batteries, the VW2106 comes well-equipped with standard features such as a large graphics display with backlight, a built-in multiplexer, "no-tools" vibrating wire transducer inputs (eliminating the need for alligator clips), and a convenient on-board speaker for sensor diagnostics.

Available for IMMEDIATE DELIVERY

Contact RST for Details

The VW2106 Vibrating Wire Readout shown connected to a Vibrating Wire Piezometer.

The VW2106 Vibrating Wire Readout shown connected to a Vibrating Wire Piezometer.

> APPLICATIONS

Reads, displays, and logs both vibrating wire sensors and thermistors.

> FEATURES

Durable, compact design for excellent portability and field use.

Large graphics display with a convenient backlight.

Readings in raw or engineering units.

Built-in multiplexer for load cells up to 6 vibrating wire gauges.

"No-tools" vibrating wire transducer inputs eliminates the need for alligator clips.

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

On-board speaker for sensor diagnostics.

Stores up to 254 instrument locations per route, each with a text label, calibration constants, previous data, and up to 11,400 time/date stamped data points.

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.

SPECIFICATIONS

DESCRIPTION	SPECIFICATION
Vibrating Wire Readout Excitation Range	400 Hz to 6000 Hz, 5 V Square Wave
Vibrating Wire Readout Resolution	$0.01\,\mu s$
Vibrating Wire Readout Timebase Accuracy	± 50 ppm
Supported Temperature Readout Sensors	NTC3000 (standard), NTC2252, NTC10K, RTD
Temperature Readout Accuracy	$\pm 0.1°C$
Temperature Readout Range	-50°C to 80°C
Display	Graphic 128 x 64 pixels large character display
Display Backlight	High efficiency LCD with auto off
Max Instrument Locations	254
Memory Capacity	11,400 custom labelled points
Location Identification String	Up to 20 characters
Download Speed	15 seconds (full memory)
Battery	3 "AA" alkaline
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)

> BENEFITS

✓ **High Reliability**

✓ **High Accuracy**

ORDERING INFO

ITEM	PART #
Vibrating Wire Readout	VW2106