



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



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	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.



Contact RST for Details

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.

> APPLICATIONS	SPECIFICATIONS	
> FEATURES	DESCRIPTION	SPECIFICATION
Reads, displays, and logs both vibrating wire sensors and thermistors.	Vibrating Wire Readout Excitation Range	400 Hz to 6000 Hz, 5 V Square Wave
Durable, compact design for excellent portability and field use.	Vibrating Wire Readout Resolution	0.01 μ s
Large graphics display with a convenient backlight.	Vibrating Wire Readout Timebase Accuracy	\pm 50 ppm
Readings in raw or engineering units.	Supported Temperature Readout Sensors	NTC3000 (standard), NTC2252, NTC10K, RTD
Built-in multiplexer for load cells up to 6 vibrating wire gauges.	Temperature Readout Accuracy	\pm 0.1°C
"No-tools" vibrating wire transducer inputs eliminates the need for alligator clips.	Temperature Readout Range	-50°C to 80°C
Field-replaceable "AA" alkaline batteries eliminate the need for a large, bulky 12 V battery and charger.	Display	Graphic 128 x 64 pixels large character display
On-board speaker for sensor diagnostics.	Display Backlight	High efficiency LCD with auto off
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.	Max Instrument Locations	254
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.	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	ORDERING INFO	
✓ High Reliability	ITEM	PART #
✓ High Accuracy	Vibrating Wire Readout	VW2106