

Vibrating Wire Single Channel Data Logger



Model 9130

The HMA Geotechnical Single Channel Datalogger is designed to monitor a single vibrating wire instrument and thermistor.

APPLICATIONS

Ideal for remote locations or instruments that require frequent, reliable data logging.

FEATURES

- Low cost
- Battery powered
- Unattended monitoring
- Robust construction
- Weather resistant
- Compatible with all vibrating wire sensors

OPERATING PRINCIPLE

The Model 9130 Single Channel Datalogger connects to all vibrating wire sensors, including piezometers, crack meters, and strain gauges. Vibrating wire sensors have unique advantages in geotechnical applications, as the frequency output of the gauge is immune to external electrical noise, able to tolerate wet wiring without signal degradation, and can transmit signal up to 1.6 kilometres without loss.

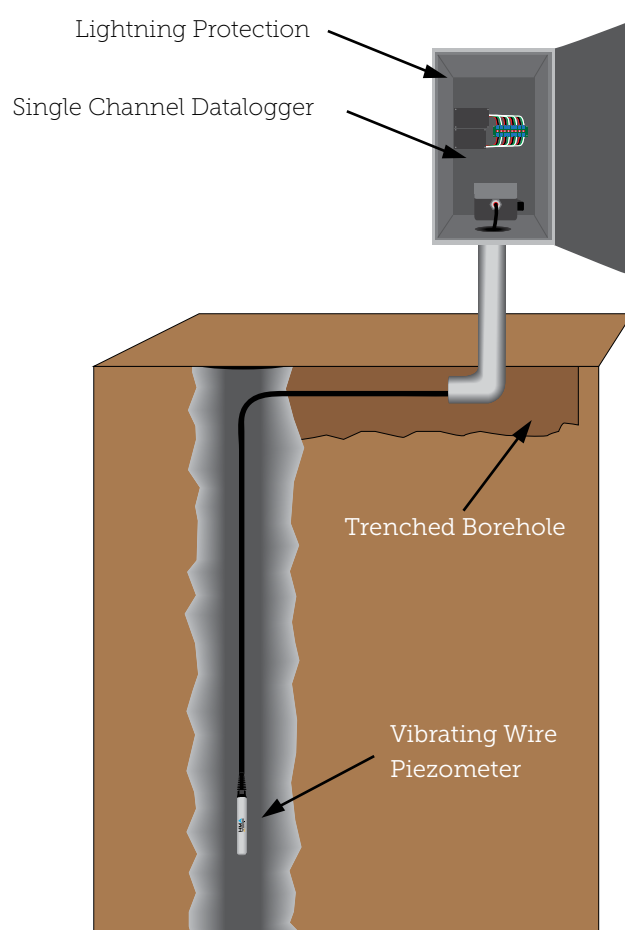
Datalogger setup and data collection is done using the Ultra-Rugged Field PC or a laptop. Multi-channel host software is also included.



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SPECIFICATIONS

Frequency Accuracy	0.01% F.S.
Resolution	1 part in 65,000
Memory	Over 600,000 recordings, including: time, frequency and temperature
Power Source	Lithium D cell battery
Battery Life	Over 7 years / 4 memory fills depending on temperature and use
Communication	USB Type B connector (radio optional)
Dimensions	185 mm x 75 mm x 55 mm
Temperature Range	-40°C to +60°C
Enclosure	IP65



ORDERING INFORMATION

When ordering, please specify the model number and quantity of readout units required. For any special requirements, please contact the HMA Geotechnical Head Office.

Note: HMA Geotechnical is continually improving its products and processes, information contained within this brochure is subject to change without notice
GEO-DS-0032. FEB 2017