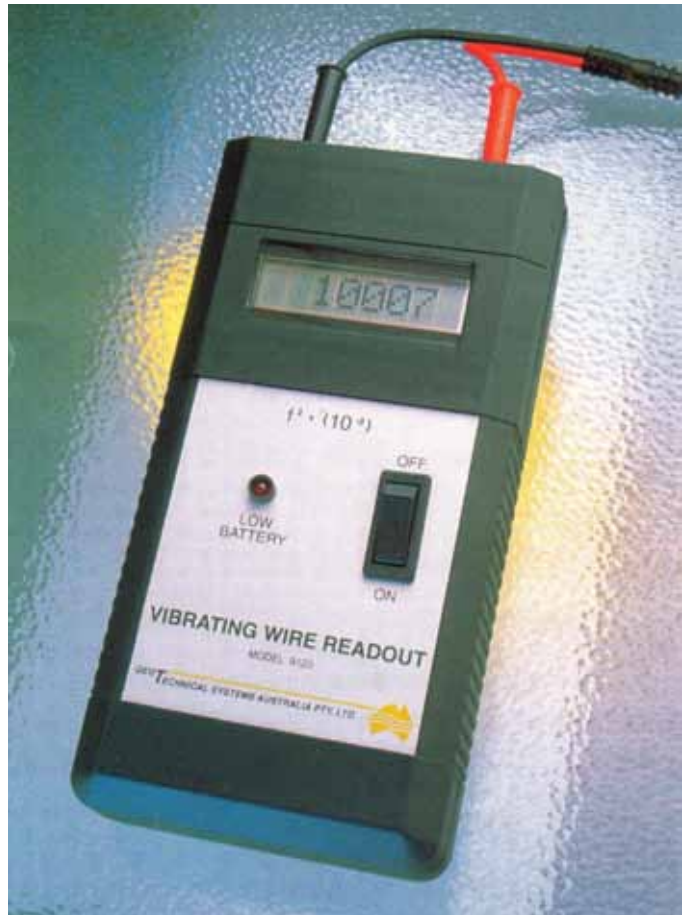


MODEL 9120

The Geotechnical Systems Australia Pty Ltd **Vibrating Wire Readout** has been designed to read vibrating wire transducers with a resonant frequency range of 500Hz to 5000Hz. The unit provides a measurement in "frequency squared" units from which an engineering unit can be readily calculated with the aid of a calibration coefficient value.

FEATURES

- Stable readout
- High resolution
- Excellent sensitivity
- Long term stability
- Easy operation
- Direct reading in 'frequency squared' units
- 'No Signal' indicator
- Low power CMOS design
- Large character LCD display
- Low battery indicator
- Premium quality electronic components
- Protective vinyl carry case



DESCRIPTION

The Model 9120 vibrating wire readout is a lightweight hand held instrument designed for easy operation offering quick and accurate readings in convenient frequency squared units. The readout is manufactured from advanced solid-state electronic components and utilises the latest surface mount technology to ensure quality and reliability. Based on a powerful Motorola 8-bit microprocessor the instrument incorporates intelligent routines to enable "No Signal" and "Error" conditions to be identified.

The unit utilises low power CMOS technology to minimise power consumption and maximise battery life. Common commercially available batteries (PP3 alkaline) are recommended and a low battery indicator is incorporated with a safety margin of at least two hours continuous operation.

Vibrating Wire Readout

SPECIFICATION	VIBRATING WIRE READOUT	Model 9120
Range	250 to 25000Hz ² x 10 ⁻³ (Corresponding to a resonant frequency of 500Hz to 5000 Hz)	
Resolution	0.01% full scale	
Accuracy	+/- 0.05 % full scale	
Excitation	4 volt p-p square wave	
Cable length	1000 metres maximum	
Operating temperature	-10 to 70 Deg C (0 to 50 Recommended)	
Batteries	2 x PP3 (8 volt alkaline)	
Battery life	Minimum of 16 hours continuous operation	
Dimensions	200mm x 100mm x 45mm	
Weight	500gms	

ACCESSORIES

- Fly leads
- Vinyl carry case

QUALITY

Each vibrating wire readout is manufactured to exacting specifications and tested at all stages during the assembly process. Premium grade electronic components are used throughout the assembly.



COMPATIBILITY

The Geotechnical Systems Vibrating Wire Readout is compatible with most commercially available vibrating wire transducers that require low voltage square wave and swept frequency excitation. Please contact the factory if in doubt.