



CHECKMATE™

Introducing CheckMate, a new geophone tester from Infinity Seismic.

This evolutionary new geophone tester is everything that it should be. A light, hand portable, thoughtful solution to accurate geophone instrument testing.

Features such as a keypad that can be used without removing your gloves in cold conditions, data transfer and battery charge via USB cable, backlit display and four user definable macro keys that can be used to set up various test functions or key sequences.

At a quarter of the weight, and less than half the size of our competitors, we have also added Nema-4 environmental packaging for water/icing/salt superiority. Whether you are testing on the line or in staging, you'll appreciate CheckMate ultra-portability and usability.

And, CheckMate also meets or exceeds the testing capabilities of every other geophone tester on the market. **Find out for yourself; ask for an evaluation unit.**

Seismic peripherals made simple...

SPECIFICATIONS

Defined at 20°C

Natural Frequency

Range	1 to 100Hz
Accuracy	1 to 8Hz $\pm 2\%$, 8 to 14Hz $\pm 0.5\%$, 14 to 100Hz $\pm 2\%$
Resolution	0.01Hz

Coil Resistance

Range	1 to 100,000ohm
Accuracy	$\pm 1\%$ or $\pm 1\text{ohm}$ whichever is greater
Resolution	0.1ohm

Damping

Range	0.100 to 0.850
Accuracy	$\pm 1\%$
Resolution	0.001

Sensitivity

Range	0 to 1,000V/m/s
Accuracy	$\pm 2\%$
Resolution	0.1V/m/s

Harmonic Distortion

Range	0 to 20 %
Accuracy	$\pm 10\%$ of the measured value or $\pm 0.01\%$ distortion whichever is greater
Resolution	0.001%

Impedance

Range	10 to 100,000ohm
Accuracy	N/A
Resolution	1ohm

Leakage Test

Range	0.1 to 1,000Mohm
Accuracy	$\pm 5\%$
Resolution	0.1Mohm

Physical Characteristics

Dimensions	234 mm x 97 mm x 50 mm (9.2 in x 3.8 in x 1.9 in)
Weight	665 g (1.46 lb)
Display	320 x 240 Color transfective sunlight readable TFT LCD, 262,144 colors
Charging	Input voltage 9 – 36 Vdc

Environmental Specifications

Shock/Drop	40 g, 11 ms, any axis / 1.5 m onto concrete
Ingress protection	Nema-4, IP56
Operating temperature range	-20°C to +60°C (-4°F to +140°F)
Storage temperature range	-30°C to +70°C (-22°F to +158°F)

User Interface

English, Spanish, Russian, Chinese, French

Limited Warranty Period

180 Days



FCC



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