



HGS (INDIA) LIMITED



HGT SERIES OF GEOPHONE TESTERS A solution for every QC problem

HGT-1F – Portable In-Field Test Option



- Test Geophones where they are planted
- Imbedded Computer – Small, Lightweight & Portable
- Geophone Test – 3 Channels at Once
- Hydrophone Test Option Available
- System includes: Portable HGT-IF unit, GeoTest Cable, Ethernet Cable, Power Cables & Battery Charger



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SPECIFICATIONS of HGT-1F*	
Natural Frequency	
Range	1 to 100 Hz
Accuracy	±0.2 Hz
Display Resolution	±0.01 Hz
Coil Resistance	
Range	10 to 10,000 Ohms
Accuracy	±1 %
Display Resolution	±0.1 Ohm
Damping	
Range	0.1 to 0.9
Accuracy	±1 %
Display Resolution	±0.001
Sensitivity	
Range	-100 % to +100 %
Accuracy	±2 %
Display Resolution	±0.001 %
Harmonic Distortion	
Range	0-20 %
Accuracy	±2 %
Display Resolution	±0.01 %
Impedance	
Range	20 to 20,000 Ohms
Accuracy	±1 %
Display Resolution	±0.1 Ohm
Leakage	
Range	1-100 MOhm
Accuracy	±1 %
Display Resolution	±0.1 MOhm
Polarity	Positive/Negative
Performance	
A/D	32-bit sigma delta converter

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Dynamic Range	126 db
% THD	0.0012 %
Crosstalk	Better than -125 db
CMRR	>100 db
Noise Floor (@2ms)	<0.09 μ V RMS
Input Impedance	200k Ohm
Physical	
# Channels	3
Temperature	-40 to +85°C
Humidity	0 to 100 %
Size	11" x 5" x 3.25" (279mm x 127mm x 83mm)
Weight	5 lbs (2.27 kg)
Data Storage	8GB CompactFlash (Internal)

**Measurement Standard – Measured at +20°C*

Version 1.3