



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-1F unit, GeoTest Cable, Ethernet Cable, Power Cable, Battery Charger & reference geophone for calibration

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Specifications HGT-1F*

Natural Frequency

- Range 1 to 150 Hz
- Accuracy +/- 1 % (+/- 0.5 Hz below 7 Hz) (+/- 2% above 15 Hz)
- Display Resolution 0.01 Hz

Coil Resistance

- Range 20 to 99,999 ohms
- Accuracy +/- 1 % or 1 ohm whichever is larger
- Display Resolution 0.1 Ohm

Damping

- Range 0 to 0.85
- Accuracy +/- 1 % of measured value
- Display Resolution 0.001

Sensitivity

- Range 0 to 999 V/m/s
- Accuracy +/- 2 %
- Display Resolution 0.1 V/M/s

Harmonic Distortion

- Range 0.02 to 99.99%
- Accuracy +/- 10% of measured value or +/- 0.01 % whichever is greater
- Display Resolution 0.01 %

Impedance

- Range 20 to 99,999 ohms
- Accuracy +/- 1 % or 1 ohm whichever is larger
- Display Resolution 0.1 Ohm

Physical Characteristics

- Dimensions 11.5 x 5.5 x 3.25 in. (292 x 140 x 82 mm)
- Weight 5.0 lbs (2.27 Kg)

Environmental Specifications

- Operating Temperature Range -20 to +50°C
- Storage Temperature Range -20 to +40°C
- Humidity 0-80% RH
- Housing Standard IP-65

*Measurement Standard

Measured at +20°

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