

SMT-40 Geophone String Checker

- Water resistant and rugged construction; easily portable for all line conditions
- Fully temperature compensated ensuring accurate measurements
- Backlit LCD display with bar-graph with percentage deviation and nominal / actual values displayed
- Basic visual fault interpretation; Open circuit, short circuit, tilted geophones etc.
- Software programming of string configurations allows for easy reconfiguration to different geophone and string types
- Low amplitude sine-wave drive can detect dragging coils
- Continuous visual indication of battery condition
- Loud audible indicator

The SMT-40 geophone string checker is a hand-held unit, allowing a quick and efficient method of checking geophone string resistance, impedance, and polarity. String parameters are pre-configured by software and any deviation from the nominal values are displayed on a liquid crystal display (LCD) panel meter. The measurement is temperature compensated and has an audible tone for geophone polarity warning.

Using the SMT-40 on the line, supported by the SMT-400 Geophone Tester to analyze any faults detected, ensures complete quality control of geophone strings.



Specifications for: SMT-40

Resistance Check detects

- Open-circuit coils
- Open-circuit shunt resistors
- Open-circuit strings
- Short-circuit geophones
- Open-circuit geophones
- Short-circuit strings

Impedance Check detects

- Dragging coils
- Sticking coils
- Significant frequency, sensitivity, damping, and distortion problems
- Incorrectly-planted geophones

Polarity Test detects

- Reversed-polarity strings or geophone elements

Specifications for: SMT-40

Battery Type

Battery Life

4 x AA (Duracell Ultra or equivalent alkaline batteries)
15 hours continuous (equates to >2500 tests)

Physical Characteristics *(in a leather carry-case)*

Dimensions

Length 185mm, Width 90mm,
Depth 50mm (7.28" x 3.54" x 1.96")

Weight

900 g (1.98 lb) excluding leather carry case

Connector

MIL-C-26482 10-06 pin (socket required for interface cable)

Environmental Specifications

Operating temperature range

-10 to +50°C (+14 to +122°F)

Storage temperature range

-20 to +40°C (-4 to +104°F)

Humidity

0 – 80% RH

Housing standard

IP-66

Limited Warranty Period

180 days

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P/N NLSMT-40

Please, provide information regarding geophone type, string configuration and string connector type at time of ordering. This information is necessary for SMT-40 programming and interface connection.

About ION

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