MTSS-1043A

LOW-NOISE SEISMIC ACCELEROMETER

The MTSS-1043A accelerometer combines small size, light weight and high sensitivity over wide frequency band. The electrodynamic feedback provides a high accuracy level and stability of the parameters of the sensor.

The wide dynamic range, lowest distortion, high temperature stability and competitive price make it cost-effective solution for various applications such as high energy earthquake measure-ments, active seismic, high-rise building or structure monitor-ring.

Configuration	**Triaxial accelerometer, orthogonal axes**
Sensitivity	**6 V/g or customized**
Maximum input signal	**± 0.8 g**
Frequency bandwidth	**0.1 – 120 Hz or customized**
Maximum output swing	**±7.5V, single-ended**
Output impedance	**500 Ohms**
Self-noise	**70 ng/√Hz, at 10 Hz**
Dynamic range	**126 dB**
Cross-axis sensitivity	**-60 dB**
Non-linearity at 1 Hz	**0.1%**
Temperature range	**-40°C - +55°C (-40°F - 131°F)**
Supply voltage	**10.5 - 16Vdc, single supply or ±9.5 .. ±15 Vdc dual supply (option)**
Supply current	**35mA @ 12 Vdc single supply or ±12mA @ ± 12 Vdc dual supply**
Installation tilt	**ANY**
Cable type	**Geophysical 1.5 meter (4.92 ft) 8 wires, open-ended or customized length and type**
Housing material	**Aluminum**
Case accessories*	**Mounting base, leveling feet**
Weight (without accessories)	**0.9 kg (1,98 lbs)**
Dimensions	**120 x 120 x 60mm (4.724” x 4.724” x 2.362”)**

***- Accessories are sold separately.**

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Specifications are subject to change without notice