Geotech Instruments, LLC

Broadband Seismometer

Model KS-2000M Rev. 2 and KS-2000BH







- 2*1000 V/(m/sec) sensitivity (other sensitivities on special order)
- Three-component
- 120 s to 50 Hz (up to 100 Hz possible)

The Geotech Model **KS-2000M** is a new broadband seismometer based on the time proven Model KS-54000. Its small dimensions make it ideal for portable applications. However, both a surface package and a borehole package are be available. A short-period version **KS-2000SP** is also available. Its manual can be downloaded by pressing <u>here</u> (2.8MB). The seismometer performs mass centering on remote command. The unmotorized version was discontinued.

Recordings with KS-2000 from <u>Waco</u> and <u>Dallas</u> seismic stations in Texas

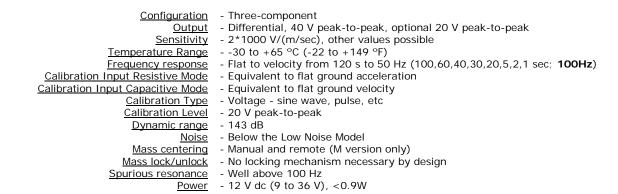
IMPORTANT NOTICE: ALL KS-2000, KS-2000M, KS-2000BH, AND KS-2000EDU SEISMOMETERS SHIPPED BEFORE JULY 15, 2008 HAVE THE FACTORY SHIPPED SENSITIVITY VALUES FOR THE VELOCITY OUTPUT 5% (for vertical) and 11% (for horizontal) LOWER THAN THE ACTUAL VALUE, WHILE FOR THE ACCELERATION OUTPUT 7% (for vertical) and 12% (for horizontal) LOWER THAN THE ACTUAL VALUE.

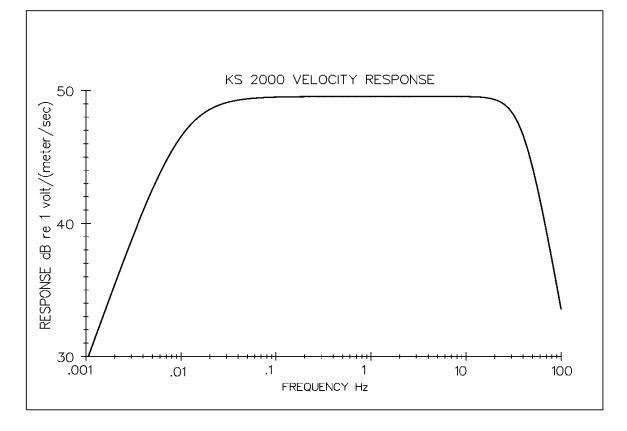
ALSO, THE CONSTANTS IN SECTIONS 6.3.3 AND 6.3.4 OF THE MANUAL ARE 5% (for vertical) and 11% (for horizontal) TOO SMALL AND THE CONSTANTS IN SECTIONS 6.3.2 AND 6.3.5 ARE 7% (for vertical) and 12% (for horizontal) TOO SMALL. THE MANUAL WILL BE CORRECTED ACCORDINGLY.

The **CI-2000** Control Interface helps monitoring the mass centering operation. Its manual can be downloaded by pressing <u>here</u> (0.3MB).

TECHNICAL SPECIFICATIONS

OPERATING CHARACTERISTICS





PHYSICAL CHARACTERISTICS

Dimensions (surface version)Height- 28.5 cm (11.2 in.) with handleDiameter- 19.0 cm (7.5 in.)Net Weight- 11.3 kg (25 lbs.)Submerged Operating- NEMA 6 or IP67

Dimensions (borehole version)Height- 143 cm (56 in.)Diameter- 8.9 cm (3.5 in.)Net Weight- 19 kg (42 lbs.)Submerged Operating- Up to 400 m