

FEATURES

- 2 · 1000 V-sec/m
- 0.0083 to 50 Hz
- surface or borehole

The **KS-2000** is a broadband seismometer based on the time proven Model KS-54000. Its small size makes it ideal for portable applications. **KS-2000** has a flat frequency response from 120 s to 50 Hz. Different sensitivities, output levels, and different low cut-off periods (**100s, 60s, 50s, 40s, 30s**) can be ordered. The educational version **KS-2000EDU** has a bandpass of 20 s to 35 Hz.

A separate Controller Interface Model **CI-2000** is used to speed up the manual mass centering. The motorized version **KS-2000M** does the mass centering on remote command. The borehole version **KS-2000BH** uses this feature. A different version Model **KS-2000/SP** is available as a general purpose, portable or borehole, three-component, short period seismometer, with cut-off at 2 s. The SMART version of **KS-2000** can do the mass centering by software command, and it identifies itself *via* a serial interface by Model number, Serial number, and stored calibration information.

BROADBAND SEISMOMETER

MODEL KS-2000/M MODEL KS-2000BH



KS-2000M



KS-2000BH

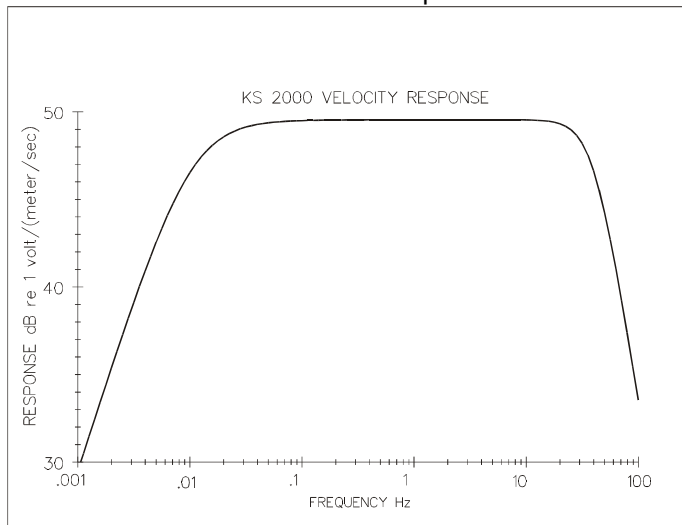


CI-2000

BROADBAND SEISMOMETER MODEL KS-2000, KS-2000M, and KS-2000BH SPECIFICATIONS

OPERATING CHARACTERISTICS

Configuration	Three component
Output, Seismic data	
Number and Type	Three, differential
Level	40 V peak-to-peak ^{*)}
Sensitivity	2*1000 V-sec/m ^{*)}
Temperature Range	-40° to +60°C (-4° to 140°F)
Frequency Response	Flat to velocity from 0.0083 Hz to 50 Hz ^{*)}
Dynamic Range	143 dB
Noise	See figure below
Calibration Input	Each channel separately
Acceleration Mode	Equivalent to ground acceleration
Velocity Mode	Equivalent to ground velocity
Type	Voltage - sine wave, pulse, etc
Level	20 V peak-to-peak
Controls	
Mass centering	Manual, on remote command (KS-2000M) or periodically (SMART version only)
Self Identification (SMART version only)	Model, S/N, and stored calibration parameters <i>via</i> serial port



PHYSICAL CHARACTERISTICS

Dimensions (nominal)	
Surface package	
Height	30.5 cm (12 in.) with handle
Diameter	19.0 cm (7.5 in.)
Net Weight	7.7 kg (17 lbs.)
Submerged Operating	NEMA 6 or IP67
Borehole package	To be installed in 4.154 to 7 in. boreholes
Height	143 cm (56 in.)
Diameter	8.9 cm (3.5 in.)
Net Weight	19 kg (42 lbs.)
Submerged Operating	Up to 300 m
Casing	Stainless steel
Mass recentering range	15 degrees from horizontal
Power	+12 V DC (9 to 36 V)
Spurious resonance	Above 100 Hz

^{*)} Other values possible;
the EDU version limited
to 20 s – 35 Hz.

