

Type	<b>STS1-VBB (out of production)</b>
Manufacturer	<b>Streckeisen AG</b>
Address	Dättlikoner Str. 5, CH-8422 Pfungen, Switzerland
Phone	++41 52 315 2161
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E-mail	none
Homepage	none
Category	<b>Force-balance VBB, separate Z and H components</b>
Flat response	velocity 2.67 mHz (360 sec) to 10 Hz
Resolution: NLNM	<0.3 mHz to 3 Hz
within 10 dB of NLNM	to 10 Hz
within 20 dB of NLNM	to 20 Hz
within 40 dB of NLNM	
Operating range	± 8 mm/s
Generator constant	2*1200 V s / m
Adequate digitizer resol.	24 bits
Adequate digitizer range	± 20 V p-p differential
Weight	4 kg (vert.); 5.5 kg (hor.)
Size	12 * 17 * 18 cm (vert.); 20 cm dia. and 16 cm high (hor.) Shields require a space of 50 * 50 cm, 60 cm high.
Power	± 15 volts, 3.5 watts per component
Calibration coils	activated over built-in relays
Mass lock	pins and screws inserted by hand
Mass centering	remote
Fast-settling mode	yes
Accessories	Feedback electronics are separate. Magnetic shield (for vert. Comp. only), aluminum shield, glass base plate, vacuum glass bell included. Monitor (breakout) box optional.
Typical application	Observatory.
Remarks	Operated under partial vacuum; no electronics inside the sensor. This seismometer made the very-broad-band velocity response popular, and is the only seismometer to resolve ground noise throughout the long-period seismic band. Its sensitivity is matched or slightly exceeded by some tidal gravimeters.