The vibrator source ElViS VII is used to generate P- or S-wave sweep signals. The source consists of a moving mass driven by a cascaded linear motor. The source is fully cased. An adjustable pneumatic suspension ensures a maximum release of seismic energy under different surface conditions. The source is most suitable for reflection seismic surveys on paved roads and for urban areas. A wheelbarrow allows the movement of the source along the seismic line.

**Technical Details**
- **Design:** Geosym GmbH
- **Generated wave types:** P/S
- **Power supply:** 12 V DC
- **Drive system:** Cascaded linear motor
- **Peak force:** Approx. 1100 N
- **Frequency range:** 20-240 Hz
- **Investigation depth:** Depending on geology
  - Up to 200 m and more for S-wave
  - Up to 300 m and more for P-wave
- **Total weight:** 130 kg

The vibrator source with the horizontal vibrator kit (mounted).

**Data Example**

![S-wave reflection seismic section.](image)