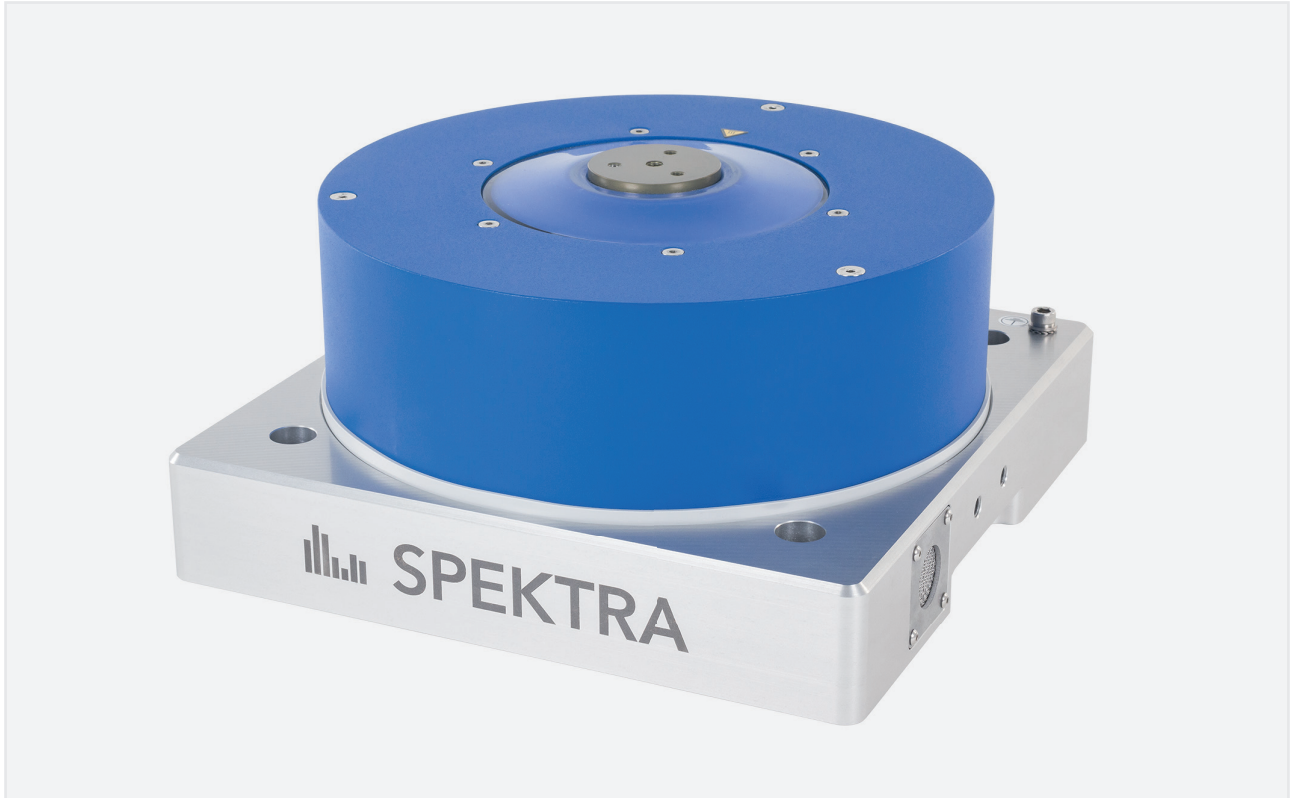


SE-29

High frequency vibration exciter



Applications

- ✓ vibration tests of small-scale devices
- ✓ modal and structural testing
- ✓ calibration of vibration sensors according to ISO 16063-11 and to ISO 16063-21
- ✓ education and training

Selected Data

- ✓ high frequency range from 3 Hz to 50 kHz
- ✓ acceleration up to 450 m/s² (46 g_n)
- ✓ low transverse motion typical < 5 %
- ✓ payload max.: 2 kg (vert.) / 1 kg (horiz.)
- ✓ temperature range -20 °C... +80 °C

Features

- ✓ polished, highly scratch-resistant ceramic surface
- ✓ first axial resonance > 52 kHz
- ✓ high payload capability for large sensors or geophones
- ✓ easy operation in climate chambers
- ✓ efficient electrodynamic drive
- ✓ optional internal reference accelerometer
- ✓ no compressed air supply or zero position controller required
- ✓ optional trunnion for vertical and horizontal use



Technical data

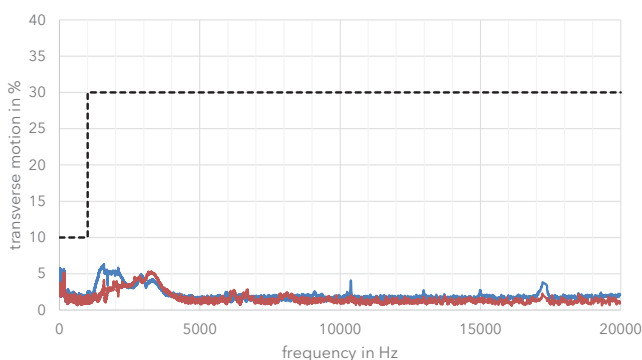
Force rating, max. (sine-peak)	95 N (21 lbf) ¹⁾
Frequency range	DC ... 50 kHz 3 Hz ... 50 kHz with optional internal reference standard
Acceleration, max. (sine-peak)	450 m/s ² (46 g _n) ¹⁾
Displacement, max. (peak-peak)	10 mm (0.39 in)
Transverse motion	typical < 5 % ²⁾
Payload, max.	2 kg (4.4 lbs) vertical 1 kg (2.2 lbs) horizontal
Temperature range (in operation)	-20 °C ... +80 °C (-4 °F ... +176 °F)
DUT mounting	<ul style="list-style-type: none">• 50 mm (1.97 in) coupling surface diameter• polished, highly scratch-resistant ceramic surface• ¼-28 UNF thread hole• 3 × 10-32 UNF thread holes• other thread patterns on request
Stray magnetic field on table	< 3 mT
Armature weight	210 g (0.46 lbs)
Weight (total)	17 kg (37.5 lbs)
Dimensions (H × W × L)	138 mm × 270 mm × 285 mm (5.4 in × 10.6 in × 11.2 in)

All specifications are at room temperature unless otherwise specified. Technical data achieved with Power Amplifier PA 500 DM.

1) interval mode of operation 2) single peaks up to 10 % / better than ISO 16063-11/21

Performance

typical transverse motion SE-29



SE-29 with PA 500 DM

