

Electro dynamical vibration exciter

The electro dynamical vibration exciter is suitable for the fast, local or laboratory checking of vibration exciters and vibration measuring instruments. Its relatively light weight and portable, battery design makes it possible to be convinced of the operating capability of the vibration measuring instruments on the spot.

The electro dynamical vibration exciter provides a pre-adjusted, standard sine vibration that is to a large extent independent from the loading weight and from the environmental effects.

Technical data

Type numbers

6 5 5 - 0 - 0 4 0 - 0

Operating frequency	159,2 Hz (1000 rad/s), $\pm 1\%$
Acceleration	10 m s^{-2} (RMS) $\pm 3\%$
Speed	10 mm s^{-1} (RMS) $\pm 4\%$
Moving	$10 \text{ }\mu\text{m}$ (RMS) $\pm 5\%$
Transversal vibration	$\leq 10\%$
Distortion (Klirr factor)	$\leq 3\%$
Working order	$\leq 5 \text{ s}$ after turning on
Max. loading weight	250 g
Permissible humidity	95%-os relative humidity at 40°C
Temperature range	$+5\dots+55^\circ\text{C}$
Feeding	
• internal battery	4 pcs. of 1,5 V battery IEC type LR 20 ("D" size) or a rechargeable accu
*	lifetime of the battery kb. 60 minutes
Operating lifetime	52 s (with automatic turning off)
Size	
• diagonal	100 mm
• high	195 mm
• weight	kb. 3 kg
Accessories	portable case Screw-wrench 4 pcs fixing screw

