

## Vibration Calibrator Type WDS-3



Vibration Calibrator Type WDS-3 is battery-operated instrument intended for calibration of vibration meters equipped with whole body and hand-arm vibration transducers according to ISO 8041-1:2017.

The Type WDS-3 generates sinusoidal vibration of nominal acceleration  $1 \text{ m/s}^2$  RMS at frequency 16 Hz and acceleration  $10 \text{ m/s}^2$  RMS at frequency 160 Hz.

The Calibrator WDS-3 enables calibration of triaxial whole body transducers in three axes without removing its rubber cover.

### Accessories:

- disk with rubber orings for attaching whole body transducers;
- cantilever for calibration whole body transducers in axes X and Y;
- battery charger;
- level;
- screwdriver;
- warranty card;
- user manual;
- declaration of conformity;
- transporting case.

## Technical Specifications

	<b>16 Hz shaker</b>	<b>160 Hz shaker</b>
Nominal RMS acceleration under reference conditions	$1 \text{ m/s}^2 \pm 3\%$	$10 \text{ m/s}^2 \pm 3\%$
Signal frequency	$16 \text{ Hz} \pm 0,2\%$	$160 \text{ Hz} \pm 0,2\%$
Non-linear distortion of generated sinous signal	<i>less than 5%</i>	<i>less than 5%</i>
Load range	<i>400 g to 700 g</i>	<i>10 g to 80 g</i>
Nominal load	<i>600 g</i>	<i>40 g</i>
Diameter of the disk for attaching whole-body vibrations transducer	<i>240 mm - other diameter available on request</i>	<i>not applicable</i>
Hand-arm sensor mounting	<i>not applicable</i>	<i>thread 10-32 UNF</i>
Warm-up time	<i>&lt; 15 s</i>	<i>&lt; 10 s</i>
Operating conditions: <ul style="list-style-type: none"> <li>temperature range</li> <li>air humidity range</li> </ul>	<i>0°C to 40°C</i> <i>10% to 90% RH</i>	
Power supply	<i>internal rechargeable battery 12 V/ 0,8 Ah</i>	
Charging time	<i>up to 4 hours</i>	
Dimensions (WxDxH)	<i>230x320x80 mm</i>	
Weight	<i>4,7 kg (battery installed)</i>	
Conformance to standards	<i>ISO 8041-1:2017</i>	

*We reserve the right to change the specifications without prior notice.*