

Machine IEPE test-signal generator IEPEMULATOR

- Application: testing vibration monitoring signal chains from the sensor onwards
- Purpose: IEPE sensor alike reference signal generation for field or lab use
- Ideally suited for equipment connected to 2-wire IEPE-based acceleration sensors

Features

- Industrial grade and robust black casing
- Safe external 12 VDC low voltage supply
- Bright LED for each port and switch position
- Digitally generated reference signals
For good amplitude and frequency stability
- 4 selectable voltage ranges:
100, 200, 500, 1000 mV
- 15 selectable frequency ranges:
5, 10, 20, 40, 80, 160, 320, 640, 1200, 2250, 6000, 8000, 10000, 12500, 15000 Hz
- One BNC connector AUX input for external (arbitrary) signal source
- M12 (standard unit) screw connectors for attaching up to 8 sensor cables
- Output signal quality:
 - Typ. THD (100mV_{rms}): >-60dBc
 - Spurious (Non-harmonics 1V_{rms}): -70dBc
 - DC offset: typ. <10mV
 - Accuracy across amplitude Voltage: ±5%
 - Accuracy across frequency: ±5%

View



Front panel: amplitude and frequency selector, 12VDC power



Back panel: AUX input and eight M12 IEPE connectors

Dimensions and Connections

- Case: Fischer-Elektronik, L=200mm, W=105mm, H=70mm
- Connectors
 - 1 x BNC female, back panel
 - 8 x M12x1 D coding, back panel
 - 1 x DC socket, Ø 2.1/5.5mm, front panel
- Weight: 0.8kg
- Power supply: external, 12VDC, 0.5A, ⊕ inside (e.g. Mean-Well GS06E-3P1J)

Compliance

- IEC 61326 (electrical equipment for measurement, control and laboratory use)
- 2011/65/EU, 2015/863 (ROHS), 2012/19/EU (WEEE)
- EN 55011/55032 (emission)
- EN 61000-4-2 (ESD)
- EN61000-4-8 (immunity)