

Machine IEPE test-signal generator IEPEMULATOR



Front panel:
amplitude and frequency selector, 12VDC power



Back panel:
AUX input and eight M12 IEPE connectors

- **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 (100mVrms): >-60 dBc
- Spurious (Non-harmonics 1Vrms): -70 dBc
- DC offset: typ. <10 mV
- Accuracy across amplitude Voltage: $\pm 5\%$
- Accuracy across frequency: $\pm 5\%$

Dimensions and Connections

Case: Fischer-Elektronik, L = 200 mm, W = 105 mm, H = 70 mm

Connectors

- 1 x BNC female, back panel
- 8 x M12x1 D coding, back panel
- 1 x DC socket, Ø 2.1/5.5 mm, front panel

Weight: 0.8 kg

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)