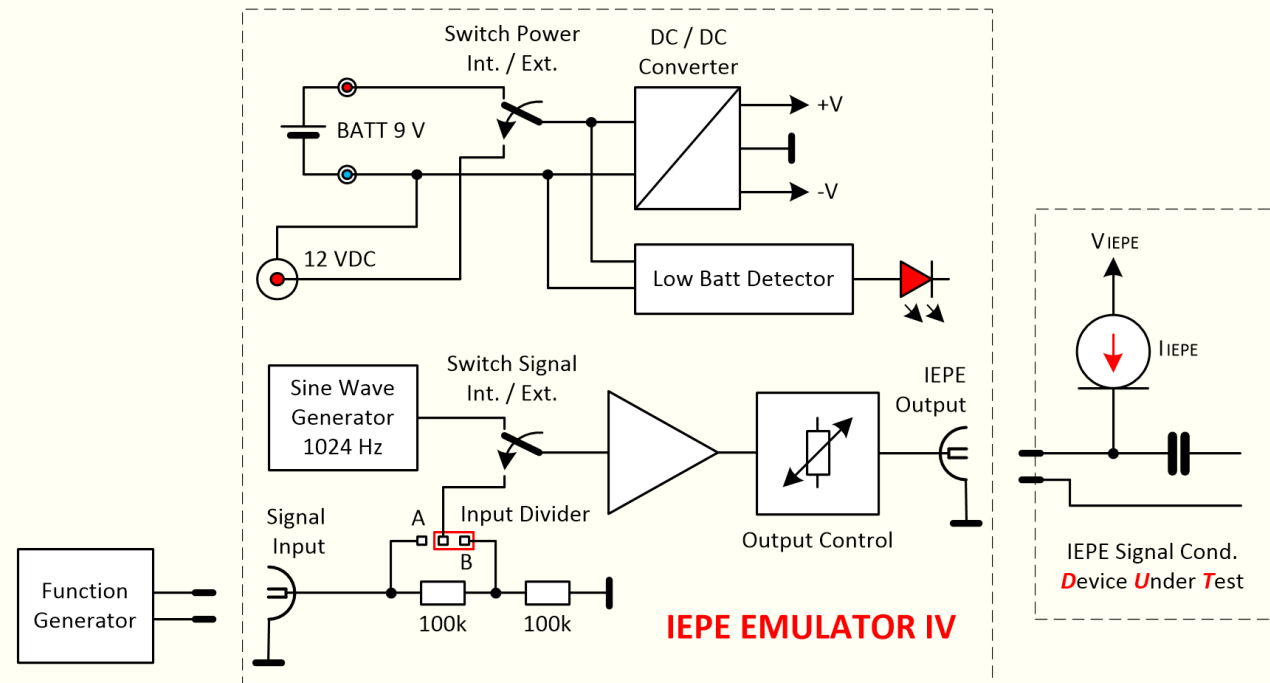


IEPE EMULATOR IV - VERSATILE IEPE SENSOR SIMULATOR

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Designed for test cases without calibrated test bench (shaker) or for tests with sensor independent signal sources.

- Usable for IEPE constant current 2 to 20 mA at 18 to 30 VDC (internally limited to 30 mA max.)
- Power supply: internal battery / accu block 9 V (6LR61) or external 12 VDC (range 7 to 18 VDC)
- Power consumption: approx. 60 mA at 9 VDC
- Battery monitoring: power LED flashes in case of undervoltage < 6.5 VDC
- Output range: 0 to ± 5 VAC
- Output bias: +10 to +12 VDC
- External Input range: 0 to ± 10 VAC (default „B“) or 0 to ± 5 VAC (selecting by jumper „Input Divider“)
- Bandwidth: 0 to 25 kHz (-3 dB)
- Internal Sine Wave Generator: ± 4 VAC @ 1024 Hz
- Accuracy: Signal sources (int., ext.) to Output > 0.2 %
- Dimensions: 109 * 35 * 129 [mm³] (over all, incl. BNC)
- Weight: approx. 300 g (incl. 9V battery)
- Protect. class: IP 54 (battery oper. with closed rear cap)



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Operation

- Install the 9 V block battery / accu in the housing (rear).
- Use either the internal battery (for short measurements) or an external 12 VDC power supply.
- Connect the Device Under Test (DUT) to the output BNC socket and switch on its power supply.
- **Note: Do not use a DUT without IEPE current limitation!**
- Use either the internal sine wave generator or an external function generator as test signal.
- Check the DUT input test signal by using a BNC T-connector (optional).
- Replace the battery when the power LED flashes.