

# Calibration and Testing Device for Strain Gauge Amplifiers



- Calibrator for simulation of strain gauge bridges
- Manual selection of off-resonance settings
- 10 switch positions, polarity switch
- Bridge resistance options 120, 350, 1000  $\Omega$
- 2 bridge resistance combinations in one device
- Small housings also for mobile applications



# DMS Calibrator

## Applications

The device is used for simulation of strain gauge sensors with bridge resistances of 120, 350, or 1,000  $\Omega$ , wherever strain gauge amplifiers need to be tested or calibrated.

Manual operation of the calibrator is simple with one rotary switch for off-resonance settings and one toggle switch for polarity and 0 mV/V setting. Connection to the outside world is done via a 7-pin Lemo plug at the back of the device.

In an extended version two bridge resistances (see picture) are combined in one device, where each bridge can be operated individually.



## Technical Data

Off-resonance settings	0; 0.25; 0.5; 1; 2; 4; 5; 8; 10; 25; 50 mV/V
Bridge resistances	120, 350, 1,000 $\Omega$ (others on request)
Terminal(s)	Lemo plug, series 2B, 7-pin (others on request)
Accuracy	$\pm 0.02\%$ (reference 2mV/V off-resonance, resp. $>2$ mV/V)
Stability	$\pm 0.02\%$ (reference 2mV/V off-resonance, resp. $>2$ mV/V)



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