

PS-Test Calibration Instrument

Tests and calibrates all kinds of process instrumentation using analog signals, including signal converters, regulators, transmitters, indicating instruments etc. Battery operation makes testing quick and easy, both in field and laboratory environment.

- Measuring and simulation of current and / or voltage signals can be done simultaneously on different channels.
- High accuracy and resolution.
- Easy to use.
- The instrument is protected against short circuit and transients.
- The instrument is equipped with a LCD display, for easy reading.
- Powered by two 9 V batteries.
- Net adaptable with special transformer (230 V)
- Compact design: 80 x 160 x 32 mm.



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Electronics



Technical Data

Output

Select range with the OUT switch and adjust the signal with the 10-turn potentiometer. The selected output signal is maintained even when the display switch is turned to IN. The outlet is short-circuit proof, has a transient protection and a 500 mA fuse.

Signal	Tolerance	Resolution	Notes
0-20mA	$<\pm 0,1\%$, ± 1 digit	10uA	Max load 500 Ω
0-12VDC	$<\pm 0,1\%$, ± 1 digit	10mV	Max current 40mA

Input Signal

Select range with the IN switch. The input is transient protected and has a 100 mA fuse.

Signal	Tolerance	Resolution	Notes
0-20mA	$<\pm 0,1\%$, ± 1 digit	10uA	Ri 30 Ω
0-12VDC	$<\pm 0,1\%$, ± 1 digit	10mV	Ri 2 Ω

Display

Input and output signals are indicated on a 3½ digit LCD with the switch marked IN, OUT. If the battery voltage falls below the minimum for safe operation, BAT is shown in the display.

Supply

Normally from 2 x 9V batteries. PS-Test can also be connected with a special transformer (230V 50HZ). The batteries and fuse are mounted under the back plate of the unit for easy access.

Other data

Working temperature 0 to +50 °C
Storage temperature -10 to +60 °C
Relative humidity max 80 %
Automatic zero
Automatic polarity
Over-range indicator
Weight 400g
Size 80 x 160 x 32 mm

Accessories

Transformer 230 V 50 Hz
Test leads (4 per set)
Special ranges can be obtained on request



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