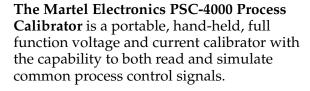
Process Signal Calibrator

Features:

- ▲ Reads and simulates process control signals
- Memory for three (3) calibration points in each range
- Multiple input/output ranges for current and voltage modes
- Built-in 24 VDC source for powering twowire transmitters
- ▲ Accuracy of 0.025% FS ± 1 LSD
- ▲ Large 32 character dot matrix display
- ▲ Test leads, carrying case, 4 AA batteries, NIST Certificate, and instruction manual included



The PSC-4000 incorporates multiple input/output ranges for both current and voltage operating modes. When operated in the current mode, the calibrator can source, simulate, or read over a 0 to 24 mA range, with 0.01 mA resolution. It can also supply 24 VDC to power a two-wire transmitter, while simultaneously reading back its output both in milliAmps or % of full scale. When operated in the voltage range, the PSC-4000 can read or source over two ranges, 0 to 20.00 V, or 0 to 200.0 mV.

For convenience, up to three (3) calibration points can be stored in memory for each voltage or current range. These calibration points are non-volatile, and will remain in memory until the user changes them.



SpecificationsInput/Output Ranges

Current mode

Voltage mode

Accuracy

Input Impedance

Current mode Voltage mode

Load Drive

Current mode Voltage mode

Temperature Stability Environmental

Operating temperature Storage temperature

Display

Keypad Power Requirements

Battery life
Read mode
Source mode
Dimensions

Accessories

Ordering Information

Process Signal Calibrator AA Ni-Cad Batteries (4 req'd) AC Adapter/Charger 0 to 24.00 mA; $-25\%/+125\% \\ 0 to 200.0 mV \\ 0 to 20.00 V \\ \pm 0.025\% \text{ of FS, } \pm 1 \text{ LSD; } \\ \text{input/output}$

20 Ohms 1 MegOhm

up to 1,000 Ohms ± 20 mA $\pm 0.01\%$ °C of FSR

0 to 50 °C
-20 to +60 °C
32 character; 2 x 16
dot matrix
3x3 embossed domed keys
4- AA cells, or optional AC
adapter

25 hours 10 hours (20 mA source) 7"H x 3.8"W x 1.6"D

Ni-Cad charger

PSC-4000 10077 1001-9V



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