

PCAL300 Loop Process Calibrator

Easily measure DC voltage/current and source DC mA current

Features:

- **Loop Power:** Simultaneously provides 24V loop power to transmitters while conducting mA current measurements
- **High Accuracy:** Source and measure accuracy up to 0.02%
- **Versatile current span adjustment:** Easily adjust the current span from 0-20mA/4-20mA with percentage readout
- **Dynamic output functions:** Choose between automatic sawtooth or triangular output current step functions
- **Built-in functions:** Flashlight, Auto Power Off, Lo Battery Indicator
- **Traceable Calibration Assurance:** optional model complete with a Certificate of Traceability to N.I.S.T
- **Complete with:** test leads, (3) AA batteries, spare fuses, and a latch key for the battery compartment



Specifications

Measurement	Range (Resolution)	Accuracy
DC Voltage	30V (0.001V)	$\pm(0.02\% + 2\text{mV})$
DC Current	30mA (0.001mA)	$\pm(0.02\% + 4\mu\text{A})$
Source	Range (Resolution)	Accuracy
DC Current	30mA (0.001mA)	$\pm(0.05\% + 4\mu\text{A})$
Loop Power	24V	$\pm(10\%)$
Power	(3) AA batteries (included)	
Dimensions / Weight	7 x 3.5 x 2" (178 x 89 x 51mm) / 1lbs (454g)	

Applications:

The PCAL300 Loop Process Calibrator offers a range of capabilities that make it invaluable in various industrial and field applications where precise measurement and calibration of DC voltage/current and loop-powered devices are essential. Here are some specific applications:

- Process Instrumentation Calibration
- Field Instrumentation Troubleshooting
- Loop-Powered Transmitter Testing
- Control Valve Calibration
- PLC and DCS System Setup
- Energy Management Systems
- Field Maintenance and Commissioning
- Building Automation Systems
- Water and Wastewater Treatment
- Renewable Energy Systems

Ordering Information:

PCAL300 Loop Process Calibrator
PCAL300-NIST PCAL300 including Certificate of Traceability to NIST

