

GE Sensing

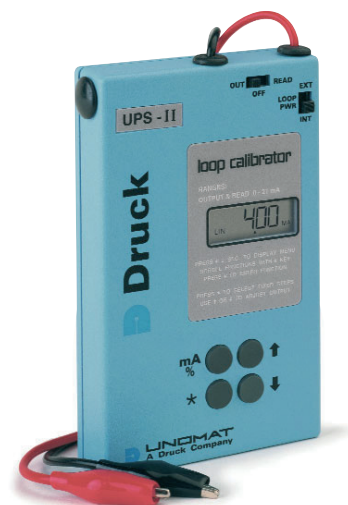
Features

- Sources and reads milliamps
 - 24 Volt internal loop-power
 - Powers and reads two-wire transmitters
 - Reads and simulates dp-transmitters
 - Fixed calibration currents
 - Auto-stepping for handsfree calibration
 - Auto-ramp cycling for endurance tests
 - Fixed currents for valve stroking
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UPS II

Druck Smart Loop Calibrator for Milliamps

UPS II is a Druck product. Druck has joined other GE high-technology sensing businesses under a new name—GE Industrial, Sensing.



UPS II Specifications

Output Range

0 to 21.00 mA

Input Range

0 to 21.00 mA

Accuracy

0.05% of range

Resolution

10 microamps

Temperature Effect

0.0015% /°F (0.003% /°C)

Internal Loop-Power

24 VDC stabilized

External Loop-Power

56 VDC maximum

Measurement Input

12 Ω including fuse

Drive Capability

900 Ω

Operating Temperature

15°F to 120°F (-10°C to 50°C)

Battery Life

- Sources 12 mA: 13 hours
- Measures: 64 hours

Batteries

4x 1.5V AA Batteries

Loop Mismatch

Flashes "loop"

Low Battery

Flashes "lobat"

Overrange

Flashes "EEEE"

Reversed Polarity

Flashes "pol"

Housing

High impact ABS

Size

3 in x 5 in x 0.83 in (77 mm x 124 mm x 21 mm)

Weight

9 oz (285 g) including batteries

The UPS II can power (24 VDC) and read two-wire transmitters to perform field calibrations. Output currents are adjustable to a resolution of 10 microamps in both source and transmitter simulation modes.

Fixed Steps

The calibrator can source or simulate fixed calibration currents to test or calibrate receivers and to stroke valves. Different current levels are available from the menu.

- 4 to 20 mA linear 4, 8, 12, 16, 20 mA
- 0 to 20 mA linear 0, 5, 10, 15, 20 mA
- 4 to 20 mA sq.rt (flow) 4, 5, 8, 13, 20 mA
- 0 to 20 mA sq.rt (flow) 0, 1.25, 5, 11.25, 20 mA
- 4 to 20 mA 3.8, 4, 4.2, 12, 19, 20, 21 mA

Output currents can be changed manually or automatically. The time between steps is 10 seconds in the auto-stepping mode. In the valve mode, auto-stepping will be:

3.8, 4, 4.2 or 19, 20, 21 mA

Ramping

The calibrator can source or simulate with high resolution a continuous up/down cycle between 4 and 20 mA or 0 and 20 mA. The travel time between limits is 60 seconds.

Reading in Percentage

The calibrator can display readings in percentage of a 4 to 20 mA or 0 to 20 mA span and can also read or simulate dP-transmitters directly in percentage of flow.

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UPS II Specifications

Ordering Information

Model UPS II (includes carrying case, set of batteries, instruction guide and spare fuse).

Optional line adaptor:

- 110V/60Hz part number 13602
- 230V/50Hz available as part number 13600



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