

## 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  $\Omega$  including fuse

**Drive Capability**

900  $\Omega$

**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.

# 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

