

# GE Sensing

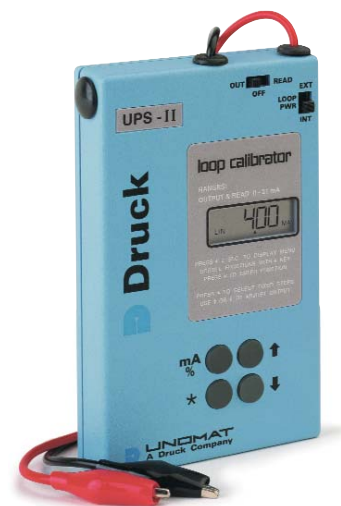
## Features

- 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

# 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.

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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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920-353A

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