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.
GE 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”

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**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.
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