

I-Sign Current Simulator

I-Sign simulates current signals on five fixed levels:
0, 4, 10, 12 and 20mA.

LED's display the measured current in the current loop.
A direct result is given when the loop is connected and the
resistance is not too high for the simulator.
I-Sign can simulate both normal current signals and 2-wire
transmitters. Inaccuracy is lower than 0,1 %.

- Flexible simulation instrument for current signals on five fixed levels.
- I-Sign yields quick accurate simulation of zero point and range.
- Actual value for the current loop is shown on a LED array.
- Non-illumination of LED's indicates loop resistance being too high.
- An open loop gives no response on the LED's.
- Simulates normal current signal or 2-wire transmitter.
- Powered by two 9V batteries.
- Net adaptable with special transformer .
- Compact design: 70 x 115 x 35 mm.
- Weight 250g



Technical Data

Power:

The instrument is in operation when the button marked "PWR" is depressed.
Power is supplied by 2x9V batteries.
Average battery life is 16 hrs at 20mA. The LED marked "BAT" indicates the voltage.
If the voltage falls below the minimum for safe operation, the LED marked "BAT" will not be illuminated. A special transformer (230V) can be connected for longer test periods.

Fuse:

Both fuse and batteries are easily changed by removing the back plate at the rear of the instrument. Fuse 50mAF

Output "Normal"

Simulation of current signals is obtained by setting the button marked "2-wire/Normal" to the high position.

Output	Tolerance	Note
0-20mA	<±0,1%	Max load 700ohm

Output "2-Wire"

Simulation of two-wire transmitters is obtained by depressing the button marked "2-wire/Normal".

Output	Tolerance	Note
2-wire	<±0,1%	Max voltage 50V

Adjustments of output signal:

When the type of current signal has been selected, the correct current is obtained by pressing the button marked "STEP". The current value is then stepped to 0,4, 10, 12 and 20mA.
The next pressing resets the signal and it can be stepped up again.

Other data

Modelno: IS09E
Working temperature 0 to +50 °C
Storage temperature -10 to +60 °C
Relative humidity max 80 %
Weight 250g
Size 65 x 130 x 25 mm

Accessories

Transformer 230 V 50 Hz or 115V 60Hz
Test leads (2 per set)



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