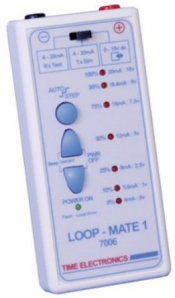
TIME Electronics Loop-Mate 7006 4-20 mA loop simulator and tester

Pocket tools for testing and calibrating process loops
4...20 mA or 0...10 V, integrated loop power supply



KEY FEATURES

- Loop-Mate 1: the simulator
- Loop-Mate 2: the indicator
- Autonomy

Description

TIME Electronics' Loop-Mates are pocket-sized tools with a single function for testing and calibrating process loops. No keyboard or menus: the technician selects the loop, 4...20 mA or 0...10 V, and gets to work immediately.

Loop-Mate 1: the simulator

It generates the loop signal with 7 points (0, 10, 25, 50, 75, 90 and 100 %), indicated by an LED and a beep. The non-automatic mode varies the signal continuously while you control the arrival at the other end of the installation.

Loop-Mate 2: the indicator

It displays the received signal in mA, V, or % of the scale, with an accuracy of 0.05%. Both devices include a loop power supply if necessary.

Autonomy

A simple 9 V battery provides up to 40 hours of continuous use.

Typical applications

- Commissioning of control loops
- Wiring control between the sensor and the automation system
- Verification of analog entries from vending machines
- Maintenance of transmitters and valves

Technical specifications

Signals	4...20 mA or 0...10 V
Styles	Simulation and measurement (TxSim, RxTest, RxSim, TxTest)
Simulation points	0, 10, 25, 50, 75, 90, 100 %, not automatic
Precision	0.1% (simulation), 0.05% (indication)
Loop power supply	Integrated
Nutrition	Pile 9 V, up to 40 h
Weight	180 g

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