



- Pocket sized 140 x 66 x 27 mm
- 4 - 20mA or 0 - 10V loops
- 7 calibration set-points
- TxSim and RxTest (Loop-Mate1)
- RxSim and TxTest (Loop-Mate2)
- Auto-Step output - adjustable rate
- Battery powered PP3
- Internal loop drive supply



The Loop-Mates are single function low-cost pocket sized units, designed for test and calibration of process loops. Simplicity of operation is their key - no keypads or complicated selections. Engineers will be able to pick them up and get to work immediately. Just select 4 - 20mA, or 10V loop, and TxSim, RxTest, RxSim or TxTest. Both have internal loop drive supplies which can be used to power the loop if required.

Loop-Mate1 is the simulator and acts as a source to provide the loop signals, 4 - 20mA or 0 - 10V. No complicated selection of the output, just operate up/down buttons to increase or decrease the signal. There are 7 set-points, 0%, 10%, 25%, 50%, 75%, 90%, 100%. Each is indicated on a high brightness LED and an audible beep sounds as you step between them. Auto-stepping mode (adjustable rate) allows Loop-Mate1 to be left connected stepping up and down. The engineer can then move to another location to check (using Loop-Mate2) that the signal is arriving correctly and is within specification.

Loop-Mate2 is a dedicated loop signal indicator, just as easy to operate. Once again select the loop type, 4 - 20mA, or 0 - 10V, and whether you want the display in direct units, or % of span. The LCD display shows the signal to an accuracy of 0.05% either in mA, V, or % of span.

Both units are powered by a single standard PP3 battery which gives up to 40hrs continuous use.

Specification: 7006 Loop-Mate1

Range: 4 - 20mA, or 0 - 10V
Set-Points: 0, 10, 25, 50, 75, 90, 100% of span
Accuracy: 0.1%
Modes: TxSim, or RxTest
Loop Supply: Internal, 25mA max
Auto-Step: Up/Down/Up, 0.5, 1, 2, 4, or 8sec/step
Power: PP3 battery, typical life 40hrs
Dimensions: L 140mm x W 65mm x D 30mm
Weight: 180g

Specification: 7007 Loop-Mate2

Range: 4 - 20mA, 0 - 10V, 0 - 50V
Display: LCD 4 digits, mA, V, or % of span
Accuracy: 0.05%
Modes: RxSim, TxTest, or 50mA/50V measure
Loop supply: Internal, 25mA max
Power: PP3 battery, typical life 40hrs
Dimensions: L 140mm x W 65mm x D 30mm
Weight: 200g

Loop-Mates are supplied with a carrying case, leads, probes, spare battery and technical manual.

Order Information: Loop-Mate1 order code 7006. Loop-Mate2 order code 7007.

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