

789 ProcessMeter

Double your working power!

Combining the two tools frequently used by every instrumentation technician, the 789 Process Meter will be at home in every instrumentation technician's toolbox. The Process Meter combine a DMM and a Loop Calibrator in one rugged, handheld tool.

With its built-in 24V loop supply it reduces the need for taking a separate power supply when doing off-line transmitter testing.

Features:

- DMM and Loop Calibrator in one tool
- Precision 1000V, 440 mA True RMS Digital Multimeter
- DC current source and Loop Calibrator
- 24V Loop power supply
- Min/Max / Average / Hold / Relative Modes
- Diode Test and Continuity Beeper
- Manual Step (25 %, 100 %, Coarse, Fine) plus Auto Step and Auto Ramp
- Simultaneous mA and % of scale read out
- Externally accessible battery / fuses
- HART mode setting with loop power and a built-in 250 Ω resistor
- 0% and 100% buttons to toggle between 4 and 20 mA sourcing for a quick span check

Safety Conformance

All inputs are protected to EN61010-1 CAT III 1000V, CSA, UL and TÜV.

Standard delivery:

- 789 ProcessMeter
- Hard point test lead set
- Alligator clips
- 4 AA alkaline batteries
- Instruction manual



Technical data:

Operating temperature:	-20 °C to +50 °C	
Storage temperature:	-40 °C to +60 °C	
Voltage measurements		
Range:	0-1000V AC or DC	
Resolution:	0.1 mV to 1.0V	
Accuracy:	0.1 % of reading + 1 digit (V DC)	
Current measurements		
Range:	0 - 1 A	0 - 30 mA
Resolution:	1 mA	0.001 mA
Accuracy:	0.2 % + 2 digits	0.05 % + 2 digits
Current sourcing		
Range:	0 - 20 mA or 4 - 20 mA (max. 24 mA)	
Accuracy:	0.05 % of span	

Other specifications

Max drive capability:	1200 Ω
Loop power:	24V
Resistance measurement:	To 40 M Ω , 0.2 % + 1 digit
Frequency:	To 19.999 kHz, 0.005 % + 1 digit
Continuity:	Beeps for resistance < 100 Ω
Span Check:	Yes
Power supply:	4 AA alkaline batteries
Operating time:	140 hours typical (Measure) 10 hours (Source: 20 mA)
Dimensions (HxWxD):	203 x 100 x 50 mm
Weight:	600 g