

# MPM-26



## Multifunction Process Meter and Calibrator



### MAIN CHARACTERISTICS

- Compact Multi-function Process Calibrator and True RMS DMM
- Measure and Source : mA, V, RTD's, TC's, Frequency
- Built-in 24 VDC Loop Power Supply and 250  $\Omega$  Hart Resistor
- Large, bright dual-measurement display
- Complies with 600V CAT.IV, 1000V CAT.III safety standards
- 0-1000 V AC (true-rms) or DC
- Soft bag with accessories
- Calibration report



•The MPM-26 is the ultimate troubleshooting tool for electricians and process control professionals. It combines the functionality of a full-featured multifunction process calibrator with the power of a CAT III 1000 V, CAT IV 600 V safety rated digital multimeter

•The MPM-26 also has a built-in 24-Volt loop supply, which reduces the need to carry a separate power supply when doing offline transmitter testing and a built-in, selectable 250-ohm HART® resistor which eliminates the need to carry a separate resistor

•The MPM-26 provide all the functions of a multifunction process calibrators, it measure and source mA, V, all common type of T/C's, RTD's, ohm and frequency

•Measure, source, simulate 4-20 mA signals, measure resistance, measure power, provide power to the loop and provide 250-ohm resistance to the loop. The MPM-26 includes Span Check, 25% and 100% buttons to toggle between 4 and 20 mA sourcing, while the display can simultaneously show mA and % of scale readings for faster troubleshooting

•The MPM-26 provides all standard DMM capabilities including frequency measurement to 100 kHz, Min/Max/Average/Hold/Relative modes, and diode test and continuity beeper and capacity meter. Combine that with the ability to troubleshoot every part of the loop

• The MPM-26 had a large dual back-light display and externally accessible fuse and batteries for easy replacement

**Power supply** 4x1.5VAA  
Alkaline battery

**Dimensions** 206x97x60  
**Weight** 500g



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### FEATURES

- An industrial tool combined DMMS and process signal source for on-spot maintenance
- Double color plastic shell to meet IP65 dustproof and waterproof grade. Complies with 600V CAT.IV, 1000V CAT.III safety standard
- The displayed reading of measured voltage, resistance and diode is 5500 bytes, and t accuracy is 0.1%
- The displayed reading of measured current is 55000 bytes, with basic accuracy 0.1%
- Measurement speed ratio: 20 times / second for fast, and 5 times/ second for slow
- True measured AC value, measurement bandwidth: 45Hz~400Hz
- Selectable manual or auto range, measurement value held displays
- Relative value measurement(REL\_%)
- Basic feature of output measurement
- Max accuracy of output can reach 0.2%, and the output display is 5-digit.
- Output function: DC voltage, DC current, Ohms, frequency, RTD, TC , SIMULATE function analog transmitter
- Displays mA and % value simultaneously and provide 25% and 100% manual-step, auto-step and auto-ramping output function when outputting DC current
- Built-in 24V loop circuit
- Loop test function
- Provide 24V loop circuit and measure current simultaneously
- Built-in 24V loop circuit and loop current measurement
- Built-in and selectable 250 Ω HART loop resistance and loop power supply, easy for HART communication equipment, without carrying load resistance and power
- Built-in temperature transmitter, auto cold-compensation, and display in °C or °F
- Large LCD of double show, with white backlight
- The meter employs panel calibration technique, connects to standard device, undertakes panel calibration operation according to set range, and saves relevant calibrated data, fulfills the periodic calibration work stipulated by the meter to ensure the accuracy and performance
- Battery door, which is convenient to replace batteries and fuse
- The meter can supply power with four 5th alkaline batteries or Nimh batteries in the battery case, or use the adaptor to supply
- Other functions: auto power shut off, auto backlight shut, low electrical test, temperature unit setting ect.
- Measurement functions include: AC voltage, DC voltage, AC current, DC current, Ohms, capacity, continuity, diode, frequency, RTD, TC

Simulate OUTPUT FUNCTION				MEASUREMENT FUNCTION	RANGE	RESOLUTION	ACCURACY
GENERATION FUNCTION	RANGE	RESOLUTION	ACCURACY	DC VOLTAGE	50mV/1000mV	0.01mV/1V	0.1%±4
DC current	30mA	0.001mA	0.2%±4	AC VOLTAGE	5V/1000V	0.001V/1V	0.5%±4
OHMS	400Ω	0.1Ω	0.2%±4	OHMS	500Ω/50MΩ	0.1Ω/0.01MΩ	0.1%±4 /1%±4
DC current	50mA /500mA	0.001mA/ 0.01mA	0.1%±5	DC current/ AC current	50mA /500mA 50mA/500mA	0.001mA /0.01mA 0.001mA/0.01mA	0.1%±5 0.5%±10
THERMAL COUPLE	R	1°C	0.2%±2°C (>100°C)	THERMAL COUPLE	R	1°C	0.5%±5°C (>100°C)
	S				S		
	B				B		
	K	K					
	N	N					
RESISTANCE TEMPERATURE	PT100	0.1°C	0.2%±0.6°C	RESISTANCE TEMPERATURE	PT100	1°C	0.5%±3°C
FREQUENCY	100Hz /10KHz	0.2Hz /0.1KHz	0.2%±2	FREQUENCY	10HZ /100kHZ	0.0001Hz /0.001kHz	0.02%±4



**CERTIFICATION:**  
All instruments are supplied with final testing, stability and accuracy report traceable to Accredia standards.



**TESTING  
EXPERTISE**

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