



196 Series 50,000 Count; 0-24mA Process Control DMM

50,000 counts for high-resolution high accuracy applications.

Use the TPI 196 to install and troubleshoot process loops and controls.

MARKETS:

Water Purification
Chemical Processing
Oil & Gas
Power Generation
Pulp & Paper
Food & Beverage

APPLICATIONS:

4~20mA Transducers (Pressure, Strain, Temperature, Flow, Level)
Loop Powered Isolators
Two Wire Transmitters
Valve Positioners
Signal Conditioners
Process Scaled Indicators

The Value Leader™

Turn over for technical information and accessory part numbers.



tilt stand on 196 series DMM



separate battery & fuse compartment



LIMITED LIFETIME WARRANTY

196 DMM comes with protective boot and silicone rubber (CAT IV 600V) test leads.



196 Series Features

- **Large 50,000 count display** increases resolution and improves accuracy (1.7" x 2.75", 43mm x 70mm)
- **0-24mA output** for process controls
- **Triple Display** shows more than one reading simultaneously
- **51 Segment Analog Bar Graph** to catch fast AC fluctuations
- **Back Light** (LED Type) allows viewing in any light condition
- **Auto Range** automatically selects the best range for the measurement
- **Separate battery and fuse compartment** for easy replacement
- **Increased safety** with Silicone rubber 1,000V CAT III, 600V CAT IV, 10A test leads (CE & cUL listed)
- **Auto Power Off** DMM will automatically power down after approximately 15 minutes of inactivity to extend battery life. Disable Auto Power Off: Hold down the REC button and turn the meter on.
- **Diode Test** displays approximate forward bias voltage
- **Continuity and buzzer** to check for opens and shorts



196 DMM General Features and Specifications

CO, Combustion & Combustibles

Refrigeration Leak Detectors

Digital Manometers

Temperature Instruments

IAQ: Air

Flow/Humidity

Digital Multimeters & Clamp-on Meters

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GENERAL SPECIFICATIONS

Weight:	530g
Operating Temp:	0°C to 45°C (-32°F to 113°F)
Storage Temp:	-20°C to 60°C (-40°F to 140°F)
Relative Humidity:	0% to 80%: (0°C to 35°C/32°F to 95°F) 0% to 70%: (45°C to 55°C/95°F to 131°F)
Temp Coefficient:	0.1x (Specified Accuracy) per °C for temperature <18°C to>28°C
Power Supply	9 Volt Alkaline Battery

OPTIONAL ACCESSORIES

A100	Carrying case
A191	RS232 cable & software for optically isolated IR port
A251	AC Clamp-On Accessory for DMMs 0-400 Amps
A254	Low Current AC/DC Adapter for DMMs 10 Amp range, 0.001 resolution 60 Amp range, 0.01 resolution
A256	AC/DC Clamp-on Accessory for DMMs 0.1 A resolution
A296	AC/DC Clamp-On Accessory for DMMs 0-2,000 Amps
A301	Temperature Adapter with GK11M and battery, 0.1°C or °F resolution
A620	500psi Pressure/Vacuum Adapter for DMMs

Specification		196 (resolution)
AC Volts	Max. reading Frequency Best resolution	750 45Hz to 450Hz (0.0001V)
DC millivolts	Max. reading Best resolution	500 (0.001mV)
DC Volts	Max. reading Best resolution	1,000 (0.0001V)
DC Microamps	Max. reading Best resolution	N/A
DC Milliamps	Max. reading Best resolution	50 (0.0001mA)
DC Amps	Max. reading Best resolution	1 (0.01mA/0.0001A)
AC Microamps	Max. reading Best resolution	N/A
AC Milliamps	Max. reading Best resolution	50 (0.0001mA)
AC Amps	Max. reading Best resolution	1 (0.01mA/0.0001A)
Ohms	Max. reading Best resolution	500 (0.01 ohm)
Kohms	Max. reading Best resolution	500 (0.0001 Kohm)
Mohms	Max. reading Best resolution	50 (0.0001 Mohm)
Frequency Hz	Max. reading Best resolution	500 (0.001Hz)
Frequency KHz	Max. reading Best resolution	500 (0.0001kHz)
0-24mA output		yes
Safety		CAT II 1,000V CAT III 600V cULus 3111
Fuse		600V 500mA 600V 1A

To learn about the entire line of TPI products visit:

www.tpi-thevalueleader.com

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