

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

Delivering test and measurement advantages for HVAC/R professionals worldwide

Test the TPI advantage



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



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

Turn over for
technical
information
and accessory
part numbers.

**The
Value
Leader™**

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**CO, Combustion &
Combustibles**

**Refrigeration Leak
Detectors**

Digital Manometers

**Temperature
Instruments**

**IAQ: Air
Flow/Humidity**

**Digital Multimeters
& Clamp-on Meters**

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 0-1,000 Amps
A301	Temperature Adapter with GK11M and battery, 0.1°C or °F resolution
A620	500psi Pressure/Vacuum Adapter for DMMs

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

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