196 **Product Sheet** 10.10

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

Delivering test a HVAC/R professionals worldwid 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:

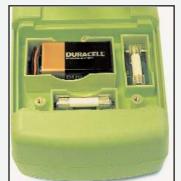
Water Purification Chemical Processing Oil & Gas **Power Generation** Pulp & Paper Food & Beverage

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





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

Turn over for technical information and accessory part numbers.

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196 Series Features

ACI

OF

- 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)

Tipi 196

- 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 Product Sheet 10.10

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

Delivering test and measurement advantages for HVAC/R professionals worldwid Test the TPI advantage

0°C to 45°C (-32°F to 113°F)

-20°C to 60°C (-40°F to 140°F)

0% to 80%: (0°C to 35°C/32°F to 95°F)

530g

GENERAL SPECIFICATIONS

Weight:

Operating Temp:

Relative Humidity:

Storage Temp:



CO, Combustion & Combustibles

Refrigeration Leak Detectors

Digital Manometers

Temperature

IAQ: Air Flow/Humidity

Instruments

Digital Multimeters & Clamp-on Meters

	0% to 70%: (45°C to 55°C/95°F to 131°F)
Temp C	oefficient: 0.1x (Specified Accuracy) per °C for temperature <18°C to>28°C
Power S	Supply 9 Volt Alkaline Battery
OPTION	IAL 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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	ication	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 Miliamps	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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