



AP-242 4 1/2 DIGIT, DC PANEL METER

DC Voltage Measurement

Model	Range	Input Impedance	Input Protection
AP-242-12	±1.9999V	100M Ω	±100V
AP-242-13	±19.999V	1M Ω	±250V
AP-242-14	±199.99V	1M Ω	±500V

Accuracy: ±0.03% rdg ± 1 digit (23°C ±5°C)

Specifications

Input Configuration: Differential (12 range)
Single ended (13/14 range)

Input Bias Current: 100PA (Typ.)

Conversion Rate: 2.5/sec

Normal Mode Rejection: More than 50dB (50/60Hz)

Zero Stability: Automatic Zero Adjustment

Display: 4 1/2 digit, LED, 8mm (.32")

Polarity: A "-" is displayed automatically

Decimal Point: Settable to any digit position

Overrange Indication: Flashes 0000

External Control: Hold/Start and decimal points.

Power Supply: 5VDC ±5%, 24VDC ±20%

Operating Temperature: 0 ~ 50°C

Power Consumption: Approx. 500mW

Weight: 55g, 1.93 oz.

Dielectric Strength: Between Input (Lo) terminal and mounting bracket, 1500VAC/1 min. Between power supply (OV) and input (Lo) terminal, 500VDC.

Insulation Resistance: 500VDC 100MΩ at above terminals

Size: 24mm (H) x 48mm (W) x 73mm (D)

.95" (H) x 1.89" (W) x 2.87" (D)

Accessories: Connector and manual included.

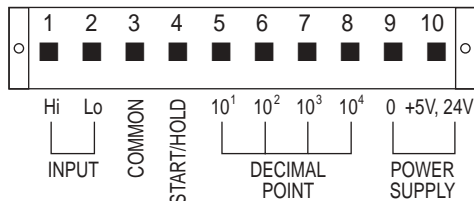
ORDERING GUIDE

AP-242 - □□□ - □

Power Supply 3 5VDC (Isolated)
4 24VDC (Isolated)

Range Code 12 ±1.9999V
13 ±19.999V
14 ±199.99V

CONNECTION DIAGRAM (Solder Connector)



Call 1-800-TRIPLETT for more Information

AP-246 4 DIGIT, AC PANEL METER

AC Voltage Measurement

Model	Range	Input Impedance	Input Protection
AP-246-12	±999.9mV	1.1M Ω	100V
AP-246-13	±9.999V	1.1M Ω	100V
AP-246-14	±99.99V	1M Ω	250V
AP-246-15	±700.0V	1M Ω	250V

Accuracy: ±0.2% rdg ± 10 digits (23°C ±5°C)
±0.3% rdg ± 10 digits only for AP-246-15

AC Current Measurement

Model	Range	Internal Resistance	Input Protection
AP-246-22	±999.9mA	1K Ω	10mA
AP-246-23	±9.999mA	100 Ω	50mA
AP-246-24	±99.99mA	10 Ω	150mA
AP-246-25	±999.9mA	1 Ω	500mA
AP-246-26	±2.000A	0.1 Ω	3A

Accuracy: ±0.3% rdg ± 10 digits (23°C ±5°C)
±0.5% rdg ± 10 digits only for AP-246-26

Specifications

Input Configuration: Single Ended

Rectifier Current: Represents effective value of sine wave by demodulation of mean value.

Response Speed: Approx. 1 sec (10% → 90%)

Conversion Rate: Approx. 2.5 sec

Zero Stability: Automatic Zero Adjustment

Display: 4 digit, LED, 10.2mm (.40")

Decimal Point: Settable to any digit position

Overrange Indication: When input exceeds up to 200%, flash & renew
When input exceeds 200%, flash 0000

External Control: Hold/Hold terminal and OV shorted

Power Supply: 24VDC ±20%

Operating Temperature: 0 ~ 50°C, 35 ~ 85%RH

Weight: 60g, 2.1 oz.

Dielectric Strength: Between input (Lo) and power supply (OV), ±1000VAC/1 min

Insulation Resistance: 500VDC 100MΩ at above terminals

Size: 24mm (H) x 48mm (W) x 79mm (D)

.95" (H) x 1.89" (W) x 2.87" (D)

Accessories: Connector and manual included.

ORDERING GUIDE

AP-246 - □□□ - 4

Power Supply 4 24VDC
12 ± 999.9mV
13 ± 9.999V
14 ± 99.99V
15 ± 700.0V
22 ± 999.9mA
23 ± 9.999mA
24 ± 99.99mA
25 ± 999.9mA
26 ± 2.000A

CONNECTION DIAGRAM (Screw Terminal)

