



ENGLISH

Datasheet

Stock No. 123-3246

RS PRO IDM 17 Pen Type Multimeter



Feature:

- 3200 count digital display
- 65 segment analog bargraph
- Automatic ranging and manual ranging selection
- 0.7% basic DCV accuracy
- 1.5% basic ACV accuracy
- 1.0% basic Ohms accuracy
- 600V protection in every range
- Fast continuity beeper
- Data hold function
- Auto power off
- Standard "AAA" size batteries, long battery life
- Featured with standard 3/4" pitch input jacks
- Rugged construction with fire retardant, high-impact plastic case
- Soft carrying case included
- CAT.III 300V/CAT.II 600V Safety standard

Specifications: (All at 23°C ±5°C, ≤ 80% R.H.)

DC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
300.0mV	100μV	±(0.7%+2d)	600V DC/ 600V rms
3.000V	1mV		
30.00V	10mV		
300.0V	100mV		
600V	1V		

AC Voltage

Range	Resolution	Accuracy	Over Voltage Protection
3.000V	1mV	±(1.7%+5d) 40Hz~300Hz	600V DC / 600V rms
30.00V	10mV	±(1.7%+5d) 40Hz~500Hz	
300.0V	100mV		
600V	1V		

Resistance

Range	Resolution	Accuracy	Overload Protection
300Ω	0.1Ω	±(1.2% + 4d)	600V DC / 600V rms
3KΩ	1Ω	±(1% + 2d)	
30KΩ	10Ω		
300KΩ	100Ω		
3MΩ	1KΩ		
30MΩ	10KΩ	±(3.0% + 5d)	


Diode & Continuity

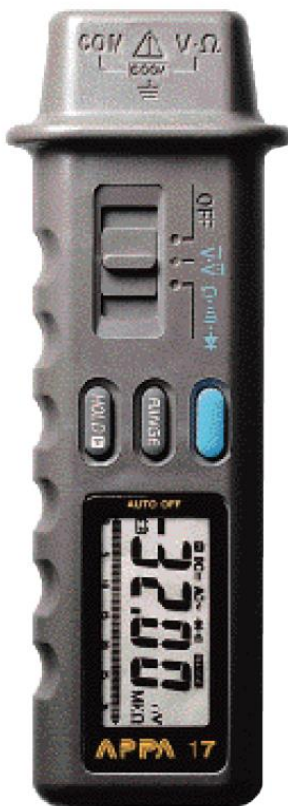
Continuity Tester: <20Ω

Indicator: 2kHz tone buzzer

Open Circuit Voltage: 3.3V max

General

Sampling Rate:	2 times/sec digital, 12 times/sec analog
Overload Indication:	“OL” or “OL”
Low Battery Indication:	
Auto Power Off:	Approx. 10 minutes after last operation
Operating Temperature:	0°C~30°C(≤80% R.H.), 30°C~40°C(≤75% R.H.), 40°C~50°C(≤45% R.H.)
Storage Temperature:	-20°C~60°C
Temperature Coefficient:	0.15×(spec. Accuracy)/°C <18°C, >28°C
Safety:	IEC 61010-1: CAT.III 300V, CAT.II 600V
Power Requirement:	Two 1.5V Alkaline type AAA batteries
Battery Life:	800 hours(Alkaline)
Size:	145mm(W)×42mm(L)×24mm(H) w/o probe
Weight:	112g w/o probe
Accessories:	Battery (installed) and User Manual



APPA 17

- 3200 count digital resolution
- 65 segment analog bar graph
- Autorranging and manual selection
- 0.7% basic dc Volts accuracy
- 1.7% basic ac Volts accuracy
- 1.0% basic ohms accuracy
- 600V protection in every range
- Fast continuity beeper
- Data hold function
- Auto power off
- Conforms to IEC1010 & UL 3111 specifications
- Standard "AAA" size batteries ,long battery life
- Featured with standard 3/4" pitch input jacks
- Rugged construction with fire retardant, high-impact plastic case
- Soft carrying case included

DC Voltage:

- Range: 320mV ~ 600V
- Accuracy: $\pm(0.7\%+2d)$
- Input Resistance: 10M Ω
- Overload Protection: 600V

AC Voltage:

- Range: 3.2V~ 600V
- Accuracy: $\pm(1.7\%+5d)$ at 40Hz~500Hz
- Input Impedance: 10M Ω / $<100pF$
- Overload Protection: 600V rms

Resistance:

- Range: 320 Ω ~30M Ω
- Accuracy: 1.2%+4d at 320 Ω
- 1.0%+2d at 3.2k Ω ~320k Ω
- 1.5%+3d at 3.2M Ω
- 3.0%+5d at 30M Ω
- Overload Protection: 600V rms

Continuity Beeper: <20 Ω , 2kHz tone buzzer

Diode Test: Open circuit voltage 3.3V max.

Measuring rate: 2 T/S digital, 12 T/S analog

Temperature Coefficient: 0.15x(Spec. Accuracy)/ $^{\circ}C <18^{\circ}C$ or $>28^{\circ}C$

Operating Temperature: 0 $^{\circ}C$ ~ 50 $^{\circ}C$, $\leq 80\%$ RH.

Storage Temperature: -20 $^{\circ}C$ ~ 60 $^{\circ}C$

Relative Humidity: 0 ~ 80% (0 $^{\circ}C$ ~ 35 $^{\circ}C$) 0 ~ 60% (35 $^{\circ}C$ ~ 50 $^{\circ}C$)

Safety: Conforms to IEC 1010 and UL 3111 specifications

Power Requirements: IEC LR03, UM4 or AAA size 1.5Vx2

Battery Life: 800 Hours (Alkaline)

Size: 145mm(L) x 42mm(W) x 24mm(D), without probes

Weight: 120 grams, without probes

Included With Instrument:

- Test leads set, ZnC battery (installed),
- Carrying case and manual

Reference	Net Price	MOQ	Incoterm
APPA 17	27,36 USD	300	FOB Taiwan