



## PK-100R Electrical Test Kit

Complete kit to check for voltage in receptacles, electrical circuits, fuses, lightbulbs and electrical connections.

- **VT201A Non contact Voltage Detector**
  - Quickly checks outlets, switches or extension cords for voltage
- **PM-60 Digital Multimeter**
  - Measures AC/DC voltage of outlets, switches, extension cords or household batteries
  - Continuity function checks light bulbs and fuses
  - Resistance, Capacitance and Frequency to perform more advanced repairs of appliances or HVAC systems
- **ST102A Polarity Cube**
  - Troubleshoots 120VAC grounded outlets and checks GFCI receptacles and breakers

### No hassle warranty

*No waiting.*

*No shipping  
charges.*



Our commitment to high-quality products and customer service is demonstrated by our industry exclusive "No Hassle" warranty. In the unlikely event that an Amprobe Test Tool requires warranty service, any of our local dealers are authorized to replace it, on the spot.

(note: \$500 MSLP limit)



**PM-60 Specifications**

General Specifications	
LCD display digits	4000 counts digit large scale LCD readout.
Measuring rate	3 times / sec.
Polarity Indication	Automatic, positive implied,
Overrange display	"OL" or "-OL" Unit symbol indication.
Automatic power off time	Approximately 20 minutes after power on.
Low battery indicator	Display on LCD
Power requirement	1.5V x 2 batteries.
Battery life	50 hours (GPA76P)
Operating temperature	0°C/32°F ~ 30°C/86°F (≤80% RH) 30°C /86°F ~ 40°C/104°F (≤75%RH) 40°C/ 104°F ~ 50°C/122°F (≤45%RH)
Storage temperature	-20 to +60°C (-4°F to 140°F), 0 to 80% RH (batteries not fitted).
Temperature coefficient	Add 0.2 x (Specified accuracy) / °C, < 18°C (64.4°F), > 28°C (82.4°F).
Shock vibration	Sinusoidal vibration per MIL-T-28800E (5~ 55 Hz, 3g/0.007lb maximum).
Drop Protection	4 feet drop to hardwood on concrete floor.
Overvoltage category	IEC 61010-1 300V CAT. III., 600V CAT. II.
Operating altitude	2000m (6562 ft)
Pollution degree	2
EMC	EN 61326-1
Dimensions (WxHxD)	56 x 12 x 112 mm (2.2 x 0.5 x 4.4 in)
Weight	115g (0.25 lb)
Electrical Specifications	
Accuracy	± (% reading + number of digits) at 23°C/73.4°F ± 5°C/41°F 80%RH.

	Range	Resolution	Accuracy
ACV	400.0mV	0.1mV	±(1.5% + 5 D)
	4.000V	0.001V	±(0.9% + 5 D)
	40.00V	0.01V	±(0.9% + 5 D)
	400.0V	0.1V	±(0.9% + 5 D)
	600V	1V	±(0.9% + 5 D)
Frequency Response	50 ~ 500Hz		
AC Conversion Type	AC Coupled Average Sensing, RMS Indication.		
Input Impedance	10Me, <100pF.		
Overload protection	600V rms.		

	Range	Resolution	Accuracy
DCV	400.0mV	0.1mV	±(0.7% + 5 D)
	4.000V	0.001V	±(0.6% + 2 D)
	40.00V	0.01V	±(0.6% + 2 D)
	400.0V	0.1V	±(0.6% + 2 D)
	600V	1V	±(0.7% + 5 D)
Input Impedance	10Me, <100pF.		
Overload protection	600V rms.		

## PK-100R Electrical Test Kit

## Data Sheet

	Range	Resolution	Accuracy
ohm	400.0	0.1	±(0.9% + 5 D)
	4.000K	0.001K	±(0.9% + 2 D)
	40.00K	0.01K	±(0.9% + 2 D)
	400.0K	0.1K	±(0.9% + 2 D)
	4.000M	0.001M	±(1.5% + 5 D)
	40.00M*	0.01M	±(1.5% + 5 D)

Open Circuit Voltage	0.4V * There is a little rolling less than ± 2%		
Overload protection	600V rms.		
Continuity Check			
Continuity Threshold	Approx. <50e		
Continuity Indicator	2.7 KHz Tone Buzzer.		
Input Protection	600V rms.		

	Range	Resolution	Accuracy
Cap	40.00nF	0.01nF	±(5% + 0.4nF)
	400.0nF	0.1nF	±(2.9% + 5 D)
	4.000µF	0.001µF	±(2.9% + 5 D)
	40.00µF	0.01µF	±(2.9% + 5 D)
	400.0µF	0.1µF	±(2.9% + 5 D)

Measuring Time	<30sec. (400.0µF range), <10sec. (40.0µF range), <3sec. (other range)		
Overload protection	600V rms.		

	Range	Resolution	Accuracy
Hz	40.00Hz	0.01Hz	±(0.3% + 5 D)
	400.0Hz	0.1Hz	±(0.3% + 5 D)
	4.000Hz	0.001KHz	±(0.3% + 5 D)
	40.00Hz	0.01KHz	±(0.3% + 5 D)

Sensitivity	> 10Vp-p (40KHz range) > 1.5Vp-p (other range) The signal must have positive and negative waveform of a cycle.		
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Max. Sensitivity	600V rms.		
Overload protection	600V rms.		

	Range	Resolution	Accuracy
%	0.1 - 99.9%	0.1%	±(0.5% + 10 D)*

*30% ≤ Duty ≤ 70%			
Square Wave (5 Hz ~ 1KHz)			
Sensitivity	1.5Vp-p		
Overload protection	600V rms		

	Range	Resolution	Accuracy
ACA	400.0µA	0.1µA	±(1.5% + 5 D)
	4.000mA	0.001mA	±(1.5% + 5 D)

Frequency Response	50 ~ 500Hz		
AC Conversion Type	AC Coupled Average Sensing, RMS Indication.		
Input Impedance	Approx. 3Ke		
Overload protection	600V rms.		
Diode Test			
Test Current	Typical. 350µA		
Open Circuit Voltage	Max. 1.8V DC		
Input Protection	600V rm.		

## PK-100R Electrical Test Kit

## Data Sheet

### ST101A Specifications

General Specifications	
Rated Operating Voltage	110 – 125 V AC
Wattage	0.3 W
Indicator Lamps	Three, incandescent
Lamp Lens Colors	One red, two amber
Six Conditions Indicated	Open ground, open neutral, open hot, hot/ground reverse, hot/neutral reverse, correct
Safety Agency Approvals	UL and cULus
Warranty	90 Days

### VT201A Specifications

General Specifications	
Voltages	70 to 400 V AC
Frequency	50/60 Hz
Operating Distance	Approx 2 inches (5 cm)
Actuator	Black pushbutton
Visible	Red LED
Audible	Beeper that increases in frequency as proximity to voltage increases
Safety Agency Approvals	UL and cULus
Warranty	90 Days

### Included Accessories

Carrying case, Users manual, Batteries (PM-60:installed; VT-201A:installed)

### Amprobe® Test Tools

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