



## Meter

TEST &  
MEASURING  
INSTRUMENTS

## Digital Multimeter

# Protek 506




### Features

- True RMS
- Dual Display for Frequency, AC Voltage and Temperature
- 10 Location Memories
- Min, Max, Avg. and Relative Mode
- Decibel Measurement
- Temperature Mode (°C / °F)
- Auto Power off and 'Keep on' Mode
- Data Hold and Run Mode
- Low Battery Indication Mode





## Specification

1	DC Voltage	Range	400mV	4V, 40V, 400V, 1000V
		Resolution	0.1mV	1mV, 10mV, 100mV, 1V
		Accuracy	0.3% + 2d	0.5% + 2d
2	AC Voltage	Range	400mV	4V, 40V, 400V, 750V
		Resolution	0.1mV	1mV, 10mV, 100mV, 1V
		Accuracy	1% + 3d	1.5% + 5d
3	DC Current	Range	400μA, 400mA, 20A	
		Resolution	0.1μA, 0.1mA, 0.01A	
		Accuracy	1% + 2d	
4	AC Current	Range	400μA, 400mA, 20A	
		Resolution	0.1μA, 0.1mA, 0.01A	
		Accuracy	1.5% + 3d	
5	Resistance	Range	400Ω, 4kΩ, 40kΩ, 400kΩ	4MΩ, 40MΩ
		Resolution	0.1Ω, 1Ω, 10Ω, 100Ω	1kΩ, 10kΩ
		Accuracy	0.5% + 2d	1% + 2d
6	Frequency	Range	10kHz, 100kHz, 1MHz, 10MHz	
		Resolution	1Hz, 10Hz, 100Hz, 1kHz	
		Accuracy	0.01% ±2d	
7	Capacitance	Range	100μF	
		Resolution	0.01μF	
		Accuracy	3% + 5d	
8	Temperature	Range	-20 °C ~ 1200 °C / 0 °F ~ 2000 °F	
		Resolution	1 °C / °F = 32 + (9 / 5 X °C)	
		Accuracy	3% + 5d (-20~10 °C), 3% + 3d (10~350 °C), 5% + 3d (350~1200 °C)	
9	dBm	Range	-25dBm ~ +59dBm	
		Resolution	0.01dBm	
		Accuracy	±0.5dBm	
10	Inductance	Range	100H	
		Resolution	0.01H	
		Accuracy	3% + 5d (UP TO 20H), 5% + 5d (UP TO 50H), 10% + 5d (UP TO 100H)	
		Open Circuit	3.2V MAX	
11	Time Count	Range	10 hours	
		Resolution	1 sec	
		Accuracy	0.2% + 1d	
		Display	Secondary Display	
		Alarm	Buzzer Sound	
12	Logic Test	Logic	0.8V ~ 2.0V	
13	Diode Test		Test Volt 3.3V Max	
14	Continuity		Less Than 100Ω	
15	Signal Out		2048Hz, 4096Hz, 8192Hz (4.5V Square Wave)	
16	Basic Accessories	Carrying Case, Manual, Test Leads, Gift Box, Battery, RS232C Cable		
17	Optional Accessories	Holster, Temp Probe/Adaptor(TP60)		
18	Dimension	88 x 37 x 199 mm		
19	Weight	Approx. 410g		