

Digital Multimeter

Protek 608

Features

- 4 5/4 Digits, Dual Display
- Accuracy : 0.05%(DC Volt)
- 50,000 Count
- True RMS for AC or AC+DC
- Auto Calibration
- RS232C PC Interface

Special Functions

- New Style of Bar Graph Display Based on Binary Bit Expression Method
- \pm Peak Detection Mode for High Speed Signal Captuer
- Easy Determination on with GO / NG Mode

Basic Accessory : Test Leads, User Manual, Gift Box, Holster, Software Win98 & WinNT RS232C Cable Temp, Adaptor (TA60) Temp, Probe (TP35, "K" Type)

Low Battery Detect : Battery Indicator on LCD Appears at Below $6 \pm 1V$

Physical Size (H x W x D) :

Main Unit (Net) : 203,5 x 94,0 x 43,2mm
 With Holster : 216,5 x 104,5 x 58,0mm

Physical Weight : Main Unit (Net) : 417g(14,7oz)
 With Holster : 557g (1 lb 3,6oz)



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Specifications

DC mV & V					NS				
Function	Range	Accuracy			Range	Resolution	Accuracy	Open / Short	Protection
DC mV	500,00mV	> 1GΩ			500 ns	0.1 ns	3.0% + 5d	2.5V / 25nA	250V AC or DC
	2500,0mV	MAX, 250V AC or DC (5KΩ PTC)							
DCV	5,0000V	0,05%~5d			Continuity				
	50,000V	About 10,5MΩ			Range	Input	Response	Accuracy	Protection
	500,00V	About 10MΩ			5KΩ	Short	Buzz On	<5Ω	
	1000,0V	About 10MΩ			Open	Buzz Off	>15Ω		
AC mV & V					50KΩ	Short	Buzz On	<50Ω	
Accuracy for Each Frequency Band					Open	Buzz Off	>100Ω		250V AC or DC (500Ω PTC)
Function	Range	50~500Hz	UP~1KHz	Up~5KHz	Up~10KHz	Up~20KHz			
AC mV	500,00mV	0,75%+20d for < 400mV 1% for > 400mV	1,5% for > 50mV	2% for > 50mV	3% for > 50mV				
AC V	5,0000V	1%			Zener Diode				
	50,000V	0,75%+20d for AC V Level more than 10% of Full Scale Reading			Range Accuracy Test Current Open Circuit V Protection				
500,00V	2% for AC V > 10% of Full Scale			15,000V 5%+10d 1mA 15 ~ 22V 250V AC or DC (500Ω PTC)					
750,0V	Not Specified			Capacitance					
AC + DC mV & V					Range	Input	Response	Accuracy	Protection
Accuracy for Each Frequency Band					5,000 nF	1 pF	5% + 10d		
Function	Range	50~500Hz	UP~1KHz	Up~5KHz	Up~10KHz	Up~20KHz			
AC+DC mV	500,00mV	1,5%+50d for < 300mV 2% for > 300mV	2,5% for > 50mV	3,5% for > 50mV	4,5% for > 50mV				
AC+DC V	5,0000V	2,5% for AC V + DC V Level more than 10% of Full Scale Reading			50,00 nF 10 pF				
	50,000V	3,5% for AC + DC V > 10% of Full Scale			500,0 μF 100 pF				
750,0V	Not Specified			5,000 μF 1 nF					
DC Current					50,00 μF 10 nF				
Function	Shunt	Range	Accuracy	Protection	500,0 μF 100 nF				
DC μA	100Ω	5000,0μA	0,2% + 5d	1A/600V Fast Fuse & 22V M. O. Varistor	5,000 mF 1 μF				
DC mA	1Ω	500,00mA	0,5% + 5d	15A/600V Fast Fuse	Frequency				
DC A	10MΩ	10,000A	0,5% + 5d	15A/600V Fast Fuse	Range Resolution Accuracy Open / Short Protection				
AC Current					50,00 Hz 0,01 Hz				
Function	Range	Frequency	Accuracy	Protection	500,0 Hz 0,1 Hz				
AC μA	5000,0μA	50Hz~1KHz	0,75%~20d for < 40000 Count 1% for > 40000 Count	1A/600V Fast Fuse & 22V M. O. Varistor 15A/600V Fast Fuse	50,000 KHz 1 Hz 0,01% + 5d				
AC mA	500,00mA	50Hz~1KHz	1,5%~50d for < 30000 Count 2% for > 30000 Count	1A/600V Fast Fuse & 22V M. O. Varistor 15A/600V Fast Fuse	500,00 KHz 10 Hz				
AC A	10,000A	50Hz~1KHz	2%	15A/600V Fast Fuse	5,0000 MHz 100 Hz				
AC + DC Current					Resistance				
Function	Shunt	Frequency	Accuracy	Protection	Range Resolution Accuracy Open / Short Protection				
AC+ DC μA	5000,0μA	DC ~ 1KHz	1,5%~50d for < 30000 Count 2% for > 30000 Count	1A/600V Fast Fuse & 22V M. O. Varistor 15A/600V Fast Fuse	50,00Ω 0,01Ω				
AC + DC mA	500,00mA	DC ~ 1KHz	2%	15A/600V Fast Fuse	5,0000KΩ 0,1Ω				
AC A	10,000A	DC ~ 1KHz	2%	15A/600V Fast Fuse	50,000KΩ 1Ω				
Pulse Width					500,00MΩ 100Ω				
Range	Resolution	Accuracy	Input Impedance	Protection	50,000MΩ 1KΩ				
200,00 ms	10μ sec.	0,1% + 5d	10MΩ // 1nF	500V AC or DC	Temperature				
Duty Cycle					Range Resolution Range Accuracy Protection				
Range	Resolution	Accuracy	Puls Width	Protection	°C				
100,00%	0,01%	0,1% + 5d	0,1ms~200ms	500V AC or DC	-20 ~ 0°C ±3°C				
LV ohm (Low Voltage OHM)					0 ~ 150°C ±2°C				
Range	Resolution	Accuracy	Open / Short	Protection	150 ~ 1200°C ±2°C				
5,000Ω	1Ω		0,25V / 170 μA		°F				
50,00KΩ	10Ω		0,25V / 24 μA		°K				
500,00KΩ	100Ω	0,5% + 5d	0,25V / 2,5 μA	250V AC or DC (500Ω PTC)	°F = 32 + (9/5 x °C)				
5,0000MΩ	1KΩ		0,25V / 250 μA		°K = °C + 273,1				
50,000MΩ	10KΩ	2,5% + 10d	0,25V / 25nA		Peak + / - Detection				
					Function Accuracy Remark				
					DC mA				
					DC V				
					DC μA				
					DC mA				
					DC A				

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