



1-800-972-2225 | www.elexp.com | electron@elexp.com

Handheld Digital Scope and DMM 60 MHz / 2 Channels

PART NUMBER - 01DSMM1

SPECIFICATIONS:-

Model	DSO8060
Bandwidth	60MHz
Channel	2
Real-Sample Rate	250MSa/s
Equivalent Sample Rate	50GSa/s
Record Length	32K
Rish time	≤5.8ns
Timebase Accuracy	±50ppm
Time Base Range	5ns/div-1000s/div
Video Help	--
SD Card	--
Input Impandance	1MΩ 15pF
VOLTS/DIV Range	10mV/div~5V/div
A/D Converter	8bit
Position Range	±50V(5V/div), ±40V(2V/div~500mV/div), ±2V(200mV/div~50mV/div), ±400mV(20mV/div~2mV/div)
DC Gain Accuracy	±3% for Normal or Average acquisition mode, 5V/div to 10mV/div; ±4% for Normal or Average acquisition mode, 5mV/div to 2mV/div
Bandwidth Limit	20MHz
Trigger Types	Edge, Video, Pulse, Alternative

Trigger Source	CH1, CH2
Math	+, -, x, ÷, FFT, Invert
Cursor Measurement	Voltage difference between cursors: ΔV ; Time difference between cursors: ΔT ; Reciprocal of ΔT in Hertz ($1/\Delta T$);
Auto Measurement	Frequency, Period, Mean, Pk-Pk, Cycle RMS, Minimum, Maximum, Rise time, Fall Time, +Pulse Width, -Pulse Width, Delay1-2Rise, Delay1-2Fall, +Duty, -Duty, Vbase, Vtop, Vmid, Vamp, Overshoot, Preshoot, Period Mean, Period RMS, FOVShoot, RPREShoot
Waveform Frequency	DC~25MHz
DAC Clock	2K~200MHz adjustable
Frequency Resolution	0.10%
Channel count	1CH waveform output
Waveform Depth	4KSa
Vertical Resolution	12 bit
Frequency Stability	<30ppm
Waveform Range	$\pm 3.5V$ Max.
Output Impedance	50 Ω
Output Current	50mA I _{peak} =50mA
System BW	25M
Harmonic Distortion	-50dBc(1KHz), -40dBc(10KHz)
Frequency Range	DC~60MHz
Input Range	400mVpp~18Vpp
Coupling Mode	DC
Frequency Measurement Accuracy	\pm Time Base Error ± 1 Count
Input Impedance	> 100K Ω
DMM Max. Resolution	6,000 Counts
Testing Modes	Voltage, Current, Resistance, Capacitance, Diode & Continuity
Max. Input Voltage	AC: 600V, DC: 800V
Max. Input Current	AC:10A , DC: 10A
Max. Input Impedance	10M Ω
Display	5.7" TFT Display, 320*240 dots

Size	245mm x 163mm x 52mm		
Weight	1.3KG(Without Package)		
Standard Probe	PP80x2		
DMM Mode			
Max. Resolution	6000 Counts		
DMM Testing Modes	Voltage, Current, Resistance, Capacitance, Diode & Continuity		
Max. Input Voltage	AC:600V, DC: 800V		
Max. Input Current	AC: 10A, DC:10A		
Input Impedance	10MΩ		
DMM TrendPlot	1.2M Point		
Range	Resolution	Accuracy	Resolution
DC Voltage	60.00mV	±1%±3 digit	10uV
	600.0mV		100uV
	6.000V		1mV
	60.00V		10mV
	600.0V		100mV
	800V		1V
AC Voltage	60.00mV	±1%±3 digit	10uV
	600.0mV		100uV
	6.000V		1mV
	60.00V		10mV
	600.0V		100mV
DC Current	60.00mA	±1%±5 digit	10uA
	600.0mA	±1.5%±5 digit	100uA
	6.000A		1mA
	10.00A		10mA
AC Current	60.00mA	±1%±5 digit	10uA
	600.0mA	±1.5%±5 digit	100uA
	6.000A		1mA
	10.00A		10mA
Resistance	600Ω	±1%±3 digit	0.1Ω
	6.000KΩ		1Ω
	60.00KΩ		10Ω
	600.0KΩ		1KΩ
	6.000MΩ		10KΩ
	60.00MΩ	±1%±5 digit	100KΩ
Capacitance	40.00nF	±2%±5 digit	10pF
	400.0nF		100pF
	4.000uF		1nF

	40.00uF		10nF
	400.0uF		100nF
	Attention: the smallest capacitance value that can be measured in 5nF		
Diode	0V~2.0V		
ON-OFF test	<10Ω		



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