

XDM2041 Digital Multimeter Technical Specifications

Function	Range	Resolution	Accuracy: \pm (% of reading + LSB)
DC Voltage	50.000 mV	0.001 mV	0.1% + 10
	500.00 mV	0.01 mV	0.025% + 5
	5.0000 V	0.0001 V	0.025% + 5
	50.000 V	0.001 V	0.03% + 5
	500.00 V	0.01 V	0.1% + 5
	1000.0 V	0.1 V	0.1% + 5
True RMS AC Voltage	500 mV – 750 V	20 Hz – 45 Hz	1% + 30
		45 Hz – 65 Hz	0.5% + 30
		65 Hz – 1 kHz	0.7% + 30
DC Current	500 μ A	0.01 μ A	0.15% + 20
	5000 μ A	0.1 μ A	0.15% + 10
	50 mA	0.001 mA	0.15% + 20
	500 mA	0.01 mA	0.15% + 10
	5 A	0.0001 A	0.5% + 10
	10 A	0.001 A	0.5% + 10
True RMS AC Current	500 μ A – 500 mA	/	0.5% + 20
	5 A – 10 A		1.5% + 20
Resistance	500 Ω	0.01 Ω	0.1% + 10
	5 k Ω	0.0001 k Ω	0.1% + 5
	50 k Ω	0.001 k Ω	0.1% + 5
	500 k Ω	0.01 k Ω	0.1% + 5
	5 M Ω	0.0001 M Ω	0.25% + 5
	50 M Ω	0.001 M Ω	1% + 10
Four-wire Resistance	500 Ω	0.01 Ω	0.1% + 10
	5 k Ω	0.0001 k Ω	0.1% + 5
	50 k Ω	0.001 k Ω	0.1% + 5
Diode	3.0000 V	0.0001 V	/
Continuity	1000 Ω	0.1 Ω	/
Frequency	10.000 Hz – 60 MHz	/	\pm (0.2% + 8)
Capacitance	50 nF – 500 μ F	/	2.5% + 5
	5 mF – 50 mF		5% + 8
Temperature	K type, PT100		
Display	55,000		
Record Interval	15 mS – 9999.999 S		
Record Length	1,000 points		

General Specifications

Display Screen	3.7-inch TFT LCD with resolution 480*320
Operating Environment	Full accuracy from 0°C to 50°C, 80% RH and 40°C, non condensing
	Storage Temperature: -20°C to 70°C
Electromagnetic compatibility	Conforming to EMC (2004/108/EC) and EN 61326-1:2013
Safety	Conforming to EN 61010-1:2010 and low voltage instructions (2006/95/EC)
Remote Interface	RS232
Programmer Language	Standard SCPI, compatible with commands of main stream multimeters
Warm Up Time	30 minutes
Dimension (W×H×D)	235 x 110 x 295 (mm)
Weight	Approx. 2.3 kg

V1.0.0

