

# Handheld Oscilloscope



## Specification Table

Basic Functions	Range	Best Accuracy
DC Voltage	400 mV / 4 V / 40 V / 400 V / 1,000 V	$\pm(0.8\% + 8)$
AC Voltage	4 V / 40 V / 400 V / 750 V	$\pm(1\% + 15)$
DC Current	400 $\mu$ A / 4,000 $\mu$ A / 40 mA / 400 mA / 4 A / 10 A	$\pm(1\% + 8)$
AC Current	400 $\mu$ A / 4,000 $\mu$ A / 40 mA / 400 mA / 4 A / 10 A	$\pm(1.5\% + 8)$
Resistance	400 $\Omega$ / 4 K $\Omega$ / 40 K $\Omega$ / 400 K $\Omega$ / 4 M $\Omega$ / 40 M $\Omega$	$\pm(1\% + 5)$
Capacitance	40 nF / 400 nF / 4 $\mu$ F / 40 $\mu$ F / 100 $\mu$ F	$\pm(3\% + 8)$
Frequency	10 Hz to 10 MHz	$\pm(0.1\% + 3)$
Vertical Accuracy	-	$\pm(5\% + 1)$
Input Sensitivity	20 mV / div - 500 V / div (1 - 2 - 5)	✓
Horizontal Accuracy	-	$\pm(0.01\% + 1)$
Timebase Range	100 ns / div - 5 s / div (1 - 2 - 5)	✓
Bandwidth	8 MHz	✓
Display Resolution	160 × 160	✓
Real-Time Sample Rate	40 MSa / s	✓
Duty Cycle	0.1% to 99.9%	✓
<b>Special Functions</b>		
Diode	-	✓
Continuity Buzzer	-	✓
Display	160 × 160 Monochrome	✓
Trigger Types	Free Run / Normal / Single Shot	✓
Memory	10 screens and setups	✓
Contrast and Bright Setup	-	✓
Input Impedance for DC Voltage Measurement	Around 10 M $\Omega$	✓
Sleep Mode	-	✓
Low Battery Display	-	✓



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Basic Functions	Range	Best Accuracy
<b>Special Functions</b>		
Display Backlight	EL	✓
USB	-	✓
Maximum Display	3,999	✓

## General Characteristics

Power	1.5 V battery (R6) × 4
LCD Size	60 × 60 mm
Product Colours	Red and Grey
Product Net Weight	498 g
Product Size	200 × 100 × 48 mm
Standard Accessories	Test Lead, Battery, English Manual, Alligator Clip, USB Interface Cable, Software, Power Adapter
Optional Accessories*	Scope Probe, BNC Probe
Standard Individual Packing	Gift box
Standard Quantity Per Carton	20 pcs
Standard Carton Measurement	542 × 376 × 388 mm (0.079 CBM Per Standard Carton)
Standard Carton Gross Weight	25 kg

## Part Number Table

Description	Part Number
Handheld Oscilloscope, 8 MHz	UT-81B

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