

Handheld Oscilloscope

QM1577 Scope Meter



- 10MHz bandwidth digital storage oscilloscope
- 50MSa/s sample rate,
- 4000 counts Digital multimeter with auto range
- One keypress leads to easy switch between DMM and DSO, allowing you to view voltage/current waveform directly.

SUMMARY

QM1577 is a handheld oscilloscope designed to meet the needs of on-site testing and diagnosis. It combines all functions of a digital multimeter and a 10MHz oscilloscope. The small size makes it very suitable for household appliances servicing and industrial control testing.

FEATURES

- Software calibration. Calibrated data were stored in the memory.
- Soft silicon gel keypad. Easy operation.
- DMM functions: DC/AC true RMS value, resistance, capacitance, frequency, duty cycle, dBm, Continuity and Diode test
- Alternative voltage bandwidth up to 20kHz. The max value, min value and current value are showed in the same screen
- DSO : V/div and t/div can be set automatically and manually.
- DSO trigger mode: auto, normal, single.
- DSO auto measure function, with Vp-p, Vavg, Vrms, dBm readings.
- Data hold function. Save/recall up to 100 waveforms and DMM data.
- Contrast adjustable, LED back-lit display.
- Auto power off function. Standby time adjustable, from 5 mins to 60 mins.
- lithium polymer rechargeable battery and external AC charger.
- USB interface and upper-computer software provided
- Battery life : 8 hours

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Specification

Digital Storage Oscilloscope

Sampling Rate	50M Sample/Sec (Single Ch)
Bandwidth	DC~10MHz
Input	DC, AC, GND
Input Impedance	1M Ω
Vertical Sensitivity	50mV/div to 200V/div
Vertical Accuracy	\pm (5% + 0.1 div)
Sweep Rate	0.2 μ s/div to 20s/div
Time base accuracy	\pm (0.01% + 0.1div)
Trigger Mode	Auto, Normal, Single
Edge trigger type	Rising/falling
Trigger level range	\pm 12 div (0.1 div per step)
Auto measure setup	Auto time base/amplitude setup
Auto measure function	Vp-p, Vavg, Vrms, dBm
Auto measure accuracy	\pm (5% + 0.1 div)
Waveform storage	100sets

Multimeter

functions	Range	Accuracy
DV	400.0mV ~ 1000V	\pm (0.75% + 10)
AV	400.0mV ~ 750V	\pm (1 % + 10)
DC	40.0mA ~ 20A	\pm (1.2% + 10)
AC	40.0mA ~ 20A	\pm (1.2% + 10)
resistance	400.0 Ω ~ 40.00M Ω	\pm (1.0% + 5)
capacitance	51.20nF ~ 100.0 μ F	\pm (2% + 10)
frequency	5.12Hz ~ 10kHz	\pm (1.0% + 5)
Duty cycle	0.1 ~ 99.9% (AC 1Vp-p)	
Diode	Open circuit voltage : 1.5V; max testing current 1.5mA	
continuity	Open Resistance 30 Ω	

Accessories Included

AT-H201	1 set
Probe	1 pair
6V charger	1 piece
Package bag	1 piece
User Manual	1 piece

Optional Accessories

Color TV signal/color display signal generator
600A AC clamp
10000V high voltage probe
Temperature/ Triode hFE/ crystal oscillator
Cell phone service tester