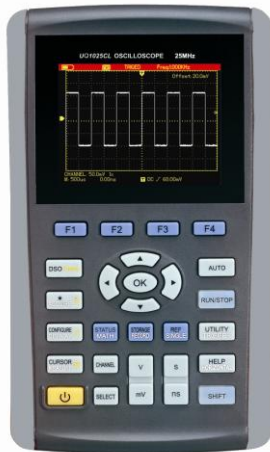




UQ1025CL Series Hand-held Digital Oscilloscope

Hand-held Digital Oscilloscope

25MHz



FEATURE:

- Auto scale, Vertical and time base can be automatically adjusted with changes in the signal, with no need of human intervention.
- Original powerful automatic setting function can automatically set up signals quickly and accurately with any DC component
- Wider voltage range, With 10 x probe, attenuation gear up to 200V/div.
- More secure isolated USB communication
- Very low current measurement resistance, more accurate measurement results.
- Black and white display, suitable for bright outdoor application.
- Intelligent Upgrade feature, users can upgrade the software via local or network.
- Not less than 8 hours continuous working time

CHARACTERISTIC:

Channels	Bandwidth	Real-time Sampling Rate	Average mode
1, 2 channel model selection	25MHz	200MS/s	Average over 2^n , $n=1\sim 8$

Horizontal	
Saving depth	12K sampling point
Scanning range (s/div)	10ns/div ~ 50s/div, 1-2-5 stepwise
Accuracy of sampling rate and delay time	± 50 ppm (any time interval ≥ 1 ms)
Vertical	
Resolution	8-bit
Sensitivity	5 mV/div ~ 20V/div (at input BNC)
Position range	± 1.2 V(5mV/div ~ 100mV/div) ± 24 V(200mV/div ~ 1V/div) ± 240 V(2V/div ~ 20V/div)

Trigger	
Trigger type	Edge, Pulse, Video, Slope
Trigger level range	± 10 div
Holdoff range	100ns – 1.5s
Trigger mode	(>, <, =) positive pulse width; (>, <, =) negative pulse width
Pulse	20ns ~ 10s
Video Trigger	
Video mode	NTSC(1-525), PAL(1-625)
Slope Trigger	
Slope condition	</ > / =
Slope type	Rise, full

Measurement		
Cursor	Manual mode	Voltage difference (ΔV) between cursors; time difference (ΔT) between cursors;
	Tracking mode	Voltage and time
	Automatic mode	With the cursor appears while automatic measurement
Automatic measurement	Total 18 measurements : peak-to-peak, amplitude, maximum, minimum, top, bottom, average, root mean square, overshoot, preshoot, frequency, cycle, rising time, falling time, positive pulse, negative pulse, positive duty ratio, negative duty ratio	
Saving Bitmap	10 frames, 320×240	
Saving waveforms	20 groups of waveforms and 20 setups.	
Record waveforms	300 frames/group, 10 group in total.	
FFT	Window function	Hanning, Hamming, Blackman, Rectangle
	Sampling	1024 points
Lissajous Figure	Phase difference	± 3 degrees

Display	
LCD screen	3.5" TFT
Display resolution	320 horizontal x RGB x 240 vertical pixels (color)
Display Colour	64K
Waveform display zone	Vertical: 10 div, 25 dot/div
	Horizontal: 8 div, 25 dot/div
Display Languages	Chinese, English.(more languages can be added)

Digital Multimeter	
DC voltage	Range : 400.0mV / 4.000V / 40.00V / 400.0V Precision : $\pm(1\% + 5 \text{ digits})$
AC voltage (40Hz~400Hz)	Range : 400.0mV / 4.000V / 40.00V / 400.0V Precision : $\pm(1.2\% + 5 \text{ digits})$
DC current	Range : 400.0 μ A/ 4000 μ A, Accuracy: $\pm(1.2\% + 5 \text{ digits})$ Range: 40.0mA/ 4000mA, Accuracy: $\pm(1\% + 5 \text{ digits})$ Range: 10A, Accuracy : $\pm(1.5\%+5 \text{ digits})$ (10A current diverter)
AC current	Range : 400.0 μ A/ 4000 μ A, Accuracy: $\pm(2\% + 5 \text{ digits})$ Range: 40.0mA/ 4000mA, Accuracy: $\pm(1.5\% + 5 \text{ digits})$ Range: 10A, Accuracy : $\pm(15\%+5 \text{ digits})$ (10A current diverter)
Resistance	Range : 400.0 Ω /4.000k Ω /40.00k Ω /400.0k Ω /4.000M Ω Accuracy: $\pm(1.2\% + 5 \text{ digits})$ Range: 40.00 M Ω , Accuracy: $\pm(1.5\% + 5 \text{ digits})$
Capacitance	Range: 51.20nF/512.0nF/5.120 μ F/51.20 μ F/100 μ F Accuracy: $\pm(3\% + 5 \text{ digits})$
Diode	Voltage drop 0.5V-1.5V on forward direction
ON/OFF	<70 Ω
Safety regulation standard	CAT-III 600V
Count	4000

Power Source	
Source Voltage	100 - 240V, 50-60Hz, 1.5A
Power Consumption	Less than 20VA.
Battery supply	7.4V, 3800mA/h

Environmental	
Temperature	Operating : 0° C~+40° C Non-operating : -20 ° C~+60° C
Cooling Method	Natural cooling.
Humidity	+10° C~+30° C : ≤ 95% ° 5% RH; +30° C~+40° C : ≤ 75% ° 5% RH;
Altitude	Operating : 3,000m. Non-operating : 15,000m.

Mechanical Specifications		
Dimension	199mm x 118mm x 49 mm	618mm × 464mm × 268mm
Weight	Net: 0.9Kg,	Gross: 25Kg(10 sets)
IP Protection	IP2X	

Adjustment interval
calibration every 1 year is recommend

Appendix: Accessories for UQ1000L Scopemeters

Standard Accessories :

- DC Adaptor.
- Test Lead.
- Probex1 (1x,10x switchable).
- 10A Current Divider
- Power Cord
- USB Cable
- PC Software CD