

HAND HOLD DIGITAL STORAGE OSCILLOSCOPE

DQ4000C SERIES



Features

- .Digital oscilloscope and multimeter, 2 in 1
- .Compact design for easy carrying
- .High performance battery for long time operate
- .5.7 inch LCD display with high resolution



DQ4102C

Technical Data		DQ4025C	DQ4042C	DQ4062C	DQ4102C	DQ4202C
Bandwidth		25MHz	40MHz	60MHz	100MHz	200MHz
Sample	Real time	125M Sa/s	250M Sa/s	250M Sa/s	500M Sa/s	1G Sa/s
	Equivalent	25GSa/s				
Acquisition mode		Real time, peak detect, averaging				
Display	Type	5.7" color display				
	Resolution	320×240				
	Backlight intensity	300 nit				
	Display	Adjustable				
Input	Input coupling	DC, AC, GND				
	Input impedance	1MΩ±2%, 21pF±3pF				
	Probe attenuation factor	1×, 10×, 100×, 1000×				
	Max. input voltage	400V (DC+AC peak)				
Horizontal system	Time base range	5ns/div~50s/div (100MHz, 60MHz, 40MHz)			2ns/div~50s/div (200MHz)	
		20ns/div~50s/div (25MHz)				
		Persist: 1-2-5				
	Time base accuracy	±50ppm				
	Waveform interpolation	Sin(x)/x				
	Recording length	2×512k				
	Storage depth	24k				
	Delta time measurement accuracy	±(1 sampling interval time + 50ppm×rdg + 0.6ns)				
Vertical system	Resolution	8 bits				
	Sensitivity	5mV/div~50V/div				
	Rise time	≤14ns	≤8.7ns	≤5.8ns	≤3.5ns	≤1.8ns
	Low frequency response	10Hz				
	DC gain accuracy	±4%(5mV/div), ±3%(10mV~50V/div)				
	Delta voltage measurement accuracy	±(3%Rdg+0.05div)				
Trigger	Trigger mode	Auto, normal, single				
	Type	Edge, pulse, video, alternate				
	Hold off range	40ns~1.5s				
Math		+, −, ×, ÷				
		FTT				
Measurement	Cursor	Voltage difference (ΔV) between cursors				
		Time difference (ΔT) between cursors				
	Auto-measure	Vrms, Varg, Vp-p, Vmax, Vmin, Vtop, Vhigh, Vlow, Vmid, Vamp, Period, Freq, Rise, Fall, +Width, -Width, +Duty, -Duty, Delay				

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Digital multimeter characterizes	Resistance	600Ω, 6kΩ, 60kΩ, 600kΩ, 6MΩ, 60MΩ				
	Accuracy	±(1.5%+5digits) (600Ω, 6MΩ, 60MΩ) ±(1.2%+5digits) (6kΩ, 60kΩ, 600kΩ)				
	DC voltage	600mV, 6V, 60V, 600V, 1000V				
	Accuracy	±(1.2%+5digits)				
	AC voltage (45Hz~400Hz)	600mV, 6V, 60V, 600V, 1000V				
	Accuracy	±(1.2%+5digits)(45Hz~200Hz) ±(1.5%+5digits)(200Hz~400Hz)				
	DC current	6mA, 60mA, 600mA, 6A				
	Accuracy	±(1.2%+5digits)(6mA, 60mA, 600mA) ±(1.5%+5digits)(6A)				
	AC current	6mA, 60mA, 600mA, 6A				
	Accuracy	±(3%+5digits)(45Hz~200Hz) ±(5%+5digits)(200Hz~400Hz)				
	Capacitance	6nF, 60nF, 600nF, 6μF, 60μF, 600μF, 6mF				
	Accuracy	±(5%+10digits)(6nF, 6mF) ±(4%+5digits)(other ranges)				
	On/off	✓				
	Diode	✓				
Power source		AC: 100~240VACrms, 45~440Hz, CAT II DC: 4h(DQ4025C), 3h(other)				
Dimensions(W×H×D)		268×168×60mm				
Weight		1.8kg				
Accessories		Operation manual, adapter, probe×2, multimeter pen×2, current-voltage convertor module×2				



Oscilloscope mode



Multimeter mode

POWER SUPPLY

TEST INSTRUMENT

EDU. INSTRUMENT

METER

ACCESSORY