DQ1000C SERIES

Features

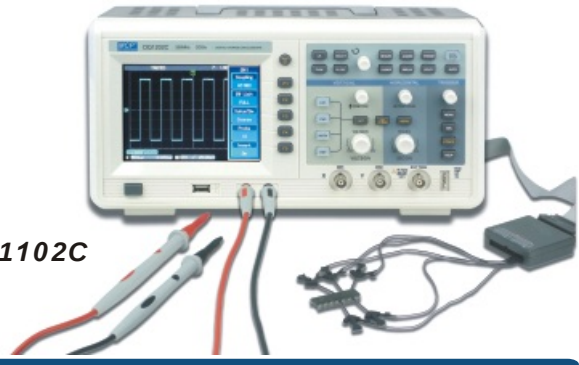
.Support logic analyzer and multimeter

.2GSa/s sampling rate and 50GSa/s equivalent sampling rate

.1024k recording length

.5.7″ color LCD display

.USB-host/device, GPIB interface



DQ1102C

Technical Data		DQ1102C
Channels		2 external + logical analyzer + multimeter
Sampling rate		2GSa/s
Equivalent sampling rate		50GSa/s
Display	Type	5.7″ rectangle color LCD
	Backlight intensity	300 ni
	Display resolution	320 horizontal × 240 vertical pixels
Vertical system	Sensitivity and accuracy	1mV/div~10V/div
	Vertical resolution	8 bit
	Width of band (-3dB)	DC (AC 5Hz) ~ 100MHz
	Selectable analog bandwidth limit	20MHz
	Rise time	≤ ≤ ≤ ≤3.5ns ≤
	DC gain Accuracy	±5%(1mV/div) ±4%(2mV/div) ±3%(5mV/div~10V/div)
	DC measurement accuracy	±(5%+0.1div)(1mV/div) ±(4%+0.1div)(2mV/div) ±(3%+0.1div)(5mV/div~10V/div)
Horizontal system	SEC/DIV range	5ns~50s/div(100MHz~40MHz), at 1-2-5 increment
	Waveform interpolation	Sin(x)/x
	Recording length	1024k
	Sampling rate and delay time accuracy	±50ppm (any time interval ⩾1ms)
	Delta time measurement accuracy	Single: ±(1 sampling time interval + 50ppm×rdg. + 0.6ns)>16 Average values: ± (1 sampling time interval + 50ppm×rdg. + 0.4ns)
Trigger system	Mode	Auto, normal, single
	Type	Edge, pulse, video, alternate
	Hold off range	100ns~1.5s
Math		+, −, ×, ÷
		FFT
Acquire input	Input coupling	DC, GND, AC
	Input impedance	1MΩ ±1.5% 24pF±3pF
	Probe attenuation	1×, 10×, 100×, 1000×
	Max. input voltage	400V (DC+AC peak)
Measurement	Cursor	Voltage difference (ΔV) between cursors Time difference (ΔT) between cursors Reciprocal of ΔT in Hz (1/ΔT)
	Auto-measure	Vrms, Vavg, Vp-p, Vmax, Vmin, Vtop, Vhigh, Vlow, Vmid, Vamp; Period, Freq, Rise, Fall, +Width, -Width, +Duty, -Duty, Delay

Technical Data			DQ1152C
I/O	Standard		USB(D), USB(H)
	Options		GPIB, LAN
Calibrator	Output voltage		3V (⩾1MΩ load)
	Output frequency		1kHz
Logical analyzer	Input channel		D0~D15
	Max. sampling rate		200MSa/s
	Recording length		512k
	Max. input voltage		±40Vpeak
	Minimum voltage slew		1.2Vpp
	Trigger mode	Code	D0~D15 Trigger code: H, L, X Clock edge: Rise, Fall
		Persist	D0~D15 Trigger code: H, L, X Condition: >, <, = Persist setup: 20ns~10s
Digital multimeter characterizes	DC voltage	Range	400.0mV/4.000V/40.00V/400.0V
		Accuracy	± (1%+5digits)
	AC voltage (40Hz~400Hz)	Range	400.0mV/4.000V/40.00V/400.0V
		Accuracy	± (1.2%+5digits)
	Resistance	Range	400Ω/4kΩ/40kΩ/400kΩ/4MΩ/40MΩ
		Accuracy	± (1.5%+5digits)
	On/off		<70.0Ω
	Diode		Forward voltage drop 0.5~0.8V
	DC current	Range	4mA/40mA/400mA
		Accuracy	± (1%+5digits)
		Range	4A
		Accuracy	± (1.5%+5digits)
Power source			100~240VACrms, 45~440Hz; 50VA Max; CAT Ⅱ
Dimensions (W×H×D)			320×150×130mm
Weight			2.5kg
Accessories			Operation manual, power cord, USB cable, probe×2, sofrware CD-ROM, multimeter pen×2, current-voltage convertor module×2, logic analyzer probe.