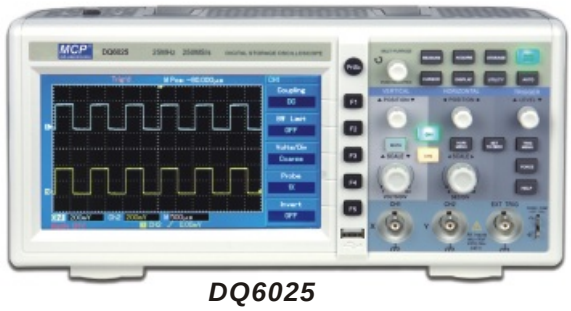
DQ6000 SERIES

CE NEW

Features

. 500MSa/s~1GSa/s sampling rate
. 7 inch wide rectangle colour LCD
. One key print screen
. 2×512k words per channel record length
. FFT function
. Auto-setting for quick setup and waveform acquisition
. Advanced cursor modes: manual, auto and track



DQ6025

Technical Data		DQ6025	DQ6052	DQ6052E	DQ6102E
Display	Type	7" rectangle coclour LCD			
	Backlight intensity	300nit (cd/m²)			
	Display resolution	400 horizontal×240 vertical pixels			
	Display contrast	Adjustable			
Vertical system	Sensitivity and accuracy	1mV / DIV~20V /div			
	Vertical resolution	8bit			
	Width of band (-3dB)	25MHz	50MHz	50MHz	100MHz
	Rise time	≤14ns	≤7ns	≤7ns	≤3.5ns
	Single-shot band width	25MHz	50MHz	50MHz	100MHz
	Input coupling	DC , GND, AC			
	DC gain accuracy	±5% (1mV/DIV~2mV/DIV)	±4% (5mV/DIV)	±3% (10mV/DIV~20mV/DIV)	
	DC measurment accuracy	±(5%Rdg+0.1div+1mV) (1mV/DIV~2mV/DIV) ±(4%Rdg+0.1div+1mV) (5mV/DIV) ±(3%Rdg+0.1div+1mV) (10mV/DIV~20mV/DIV)			
	Delta voltage Measurement accuracy	±(3%Rdg+0.05DIV)			
Horizontal system	SEC/DIV range	10ns~50s/DIV	5ns~50s/DIV	2ns~50s/DIV	2ns~50s/DIV
	Sampling rate range	250MSa/s	500MSa/s	1GSa/s	1GSa/s
	Waveform interpolation	(Sinx)/x			
	Record length	2×512k			
	memory length	25k 12.5k per channel			
	Sampling rate and delay Time accuracy	±100ppm over any ≥1ms time interval			
	Delta time Measurement accuracy	Single ±(1 sampling interval time+100ppm×rdg+0.6ns) Average ±(1 sampling interval time+50ppm×rdg+0.4ns)			
Trigger system	Mode	Auto, Normal, Single			
	Type	Edge, Pulse Width, TV (only for DQ6025)			
	Hold off range	80ns ~ 1.5s			
Math		+, -, ×, ÷			
		FFT			
Acquire Input	Acquisition mode	Sampling、peak value sampling and smoothness sampling			
	Input coupling	DC, GND, AC			
	Input impedance	1MΩ ±2% 20pF±3pF			
	Probe attenuation	1×, 10×, 100×, 1000×			
	Max. input voltage	400V (DC+AC peak, 1MΩ)			
	Channel CMR	Better than 40: 1			
	Channel isolation	Better than 40: 1			
Display	Persist time	1s, 2s, 5s			
Storage		Waveform, Setup, Bit			
Recorder		Record, Replay			
Measurement	Cursor	Voltage difference (△V) between cursors Time difference (△T) between cursors Reciprocal of △T in Hz (1/△T)			
	Auto-measure	Vrms, Vavg, Vp-p, Vmax, Vmin, Vtop, Vhigh, Vlow, Vmid, Vamp; Period, Freq, Rise, Fall, +Width, -Width, +Duty -Duty, Delay			
I/O	Standard	USB OTG			
Calibrator signal	Output voltage	3V (≥1MΩ load)			
	Output frequency	1kHz			
Power source		100~ 240VACrms, 45Hz~440Hz; 50VAMax; CAT II			
Dimensions		306(W) × 147(H) × 122(D)mm			
Weight		2.2kg			
Accessories		Operation manual, Power cord, USB cable, probe×2, Software CD-ROM			