

# Specifications

DQ2100C

DQ2025/2040/2060/2100		DQ2040C/DQ2060C/DQ2100C	
<b>Display</b>			
Type	5.7" rectangle (145mm) mono LCD	Colour LCD	
Backlight intensity	60cd/m <sup>2</sup>		
Display resolution	320 horizontal×240 vertical pixels		
Display contrast	Adjustable		
<b>VERTICAL SYSTEM</b>			
Sensitivity and accuracy	5mV / DIV~5V / DIV		
Vertical resolution	8bit		
Width of band (-3dB)	DC(AC 10Hz) ~25MHz (DQ2025) ;DC(AC 10Hz) ~ 40MHz (DQ2040) DC(AC 10Hz) ~60MHz (DQ2060) ;DC(AC 10Hz) ~100MHz (DQ2100)		
Rise time	≤14ns (DQ2025) ≤8.8ns(DQ2040)≤5.8ns(DQ2060)≤3.5ns(DQ2100)		
Sing-shot band width	25MHz		
Input coupling	DC , GND , AC		
DC gain accuracy	±4% (5mV/DIV) ±3% (10mV/DIV~5V/DIV)		
Delta voltage Measurement accuracy	±(3%Rdg+0.05DIV)		
<b>HORIZONTAL SYSTEM</b>			
SEC/DIV range	25ns~5s/DIV(2025),10ns~5s/DIV(2040),5ns~5s/DIV(2060/2100)		
Sampling rate range	500S/s ~ 100MS/s		
Wave form interpolation	(Sinx)/x		
Record length	25k/channel		
Sampling rate and delay Time accuracy	±100ppm over any ≥1mS time interval		
Delta time Measurement accuracy	±(1 sampling interval time+ 100ppm × rdg +0.6nS)		
<b>TRIGGER</b>			
sensitivity(Edge trigger type)	INT (DC)	1DIV (DC ~ 5MHz)	1.5DIV (5MHz ~20MHz)
	EXT (DC)	150mV (DC ~5MHz)	250mV (5MHz ~20MHz)
	EXT/5 (DC)	750mV (DC ~5MHz)	1.25V (5MHz ~20MHz)
	Same as DC at 50Hz and above (AC)		
trigger lever range	INT	±8 divisions from the center of screen	
	EXT	±1.6V	
	EXT/5	±8V	
Sensitivity (video trigger type)	INT	2DIV	
	EXT	40mV	
	EXT/5	2V	
Video trigger type	NTSC (DQ2040,DQ2060, DQ2100),PAL signal, line and field sync		
Hold off range	1μS ~ 0.5S		
<b>Acquire</b>			
Acquisition mode	Sampling, peak value sampling and smoothness sampling		
<b>INPUT</b>			
Input coupling	DC, AC or GND		
Input impedance	1MΩ±3% 20pF±6%		
Probe attenuation	1x, 10x, 100x		
Max.input voltage	300V (DC+AC peak) at 1KHz or less		
Channel CMR	20:1 at 25MHz		
Channel isolation	20:1 at 25MHz		
<b>CURSOR READOUT FUNCTION</b>			
Panel setting display	CH1/CH2: Sensitivity, Sweep time, Trigger condition□		
Cursor measure	V, T, 1/ T;Unique coordinate measurement method		
Cursor resolution	1/25 DIV		
Effective cursor range	Vertical: ±3div; Horizontal: ±4div		
<b>SPECIAL FUNCTION</b>			
Build-in frequency counter	10Hz~20/40MHz; 5digits		
POWER SOURCE	AC 110/220V±10%, 50Hz/ 60Hz, ≈35W		
<b>ACCESSORIES</b>			
	Instruction manual × 1 Power cord × 1 Probe × 2		
DIMENSIONS & WEIGHT	310(W) × 150(H) × 455(D)mm Approx. 8kg		