Bench Type





72-8725 Technical Specification (4 Channels) :

Sample Range			
Sample Method	Real Time	Equivalent	
Sample Rate	2 GS / s	50 GS / s	
Average	All the channel achieve to sample rate at N times , N times can select on 2, 4, 8, 16, 32, 64, 128 and 256		
Input			
Input Coupling	DC, AC or Grounding (AC, DC, GND)		
Input Impedance	1 M Ω ±2% and 16 ±3pF		
Probe Attenuates Coefficient Setting	1 ×, 10 ×, 100 ×, 1,000 ×		
Maximum Input Voltage	400 V (DC + AC Peak, 1 M Ω input impedar	ice)	
Channel Time Delay (Typical)	150 ps		

Horizontal			
Interpolation	Sin (x) / x		
Records Length	1024 k		
Storage Depth	24 k (Max)		
Equivalent Storage Depth (double time base)	60 M pts		
Scan Range (s / div)	1 ns / div - 50 s / div (300 MHz) 2 ns / div - 50 s / div (200 MHz, 150 MHz) 5 ns / div - 50 s / div (100 MHz) Press 1 - 2 - 5 enter		
Sampling Range and Delay Timing Accuracy	±50 ppm (Any One ≥1 ms time interval)		
Time Interval (Δ T) Accuracy (Full bandwidth)	Single Time >16 mean Value	: ± (1 sampling time interval + 50 ppm × Reading + 0.6 ns) : ± (1 sampling time interval + 100 ppm × Reading + 0.4 ns)	

Vertical			
Model Number			72-8725
A / D Converter (A / D)	8 bits resolution		
Deflection Factory (V / div)	2 mV / div - 5 V / div	(at the input BNC)	
Position Range	±5 div		

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Bench Type



Vertical				
Analogue Bandwidth			100 MHz	
Single Bandwidth			100 MHz	
Selectable Bandwidth Limit (Typical)	20 MHz	· · · · ·		
Low Frequency Response (AC Coupling, -3 dB)	≤10 Hz (at BNC Above)			
Rising Time			≤ 3.5 ns	
DC Gain Accuracy	At 2 mV / div ±4% (Vertical accuracy is method)	sampling or mean value sampling method); 5 mV / div -5V / div : ±3 % (sampling or mea	n value sampling	
DC Measurement Accuracy (mean value sampling method)	Vertical position is zero, also N \ge 16 : ± (5% × Reading +0.1 mV), select 2 mV / div ± (3% × Reading + 1 mV) and select 5 mv / div - 5 V / div. Vertical position is not zero, then N \ge 16 : ± [3% × (Reading + Vertical position reading) + (1% × Vertical position reading)] +0.2 div) Setting from 5 mV / div to 200 mV / div add 2 mV; setting > 200 mV / div to 5 V / div and add 50 mV			
Voltage Difference (Δ V) accuracy (mean value sampling method)	Under the same set mean value, the Volt	Under the same setting and environment, the Obtained \geq 16 waveforms after getting mean value, the Voltage difference (Δ V) : ±(3% × Reading + 0.05 div)		
Trigger				
Trigger Sensitivity	$\leq 1 \operatorname{div}$			
	Internal	Display Centre ±8 div		
Trigger Level Range	EXT	800 mV		
	EXT / 5	4 V		
Trigger electric level accuracy (typical)	Internal	\pm (0.3 div × V / div) (within display centre \pm 4 div range)		
accuracy is applicable to rising	EXT	±(6% setting value +40 mV)		
and failing ≥20 ns signal	EXT / 5	±(6% Setting Value +200 mV)		
Pre-Trigger Capability		Normal mode / Scan mode, Pre-trigger / delayed by time trigger; Pre-trigger depth is adjustable		
Release Range	Release Range		96 ns - 1.5 s	
Set electric level to 50% (Typical)Input frequency signal ≥50 Hz				
Edge Triggering				
Edge Type	Rising, Falling, Rising and Falling			
Glitch Trigger				
Trigger Mode	(Higher, lower or equal) forward pulse, (higher, lower, equal) backward pulse			
Pulse Range	20 ns - 10 s			
Video Triggering				
	Internal	2 div		
trigger sensitivity (video trigger , typical)	EXT	400 mV		
	EXT / 5	2 V		
Signal Mode	Support NTSC and PAL, line range 1 - 525 (NTSC) and 1-625 (PAL)			

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Triggering Frequency				
Reading Determination	6 Digits	6 Digits		
Accuracy	±51 ppm	±51 ppm		
Frequency Range	AC coupling, from 10 Hz to full			
Trigger Type	Edge / Pulse			
Measurement	1			
Quino and	Manual made	Cursor voltage difference (Δ V), cursor time difference (Δ T)		
Cursors	Manual made	ΔT Reverse reading (Hz) (1 / ΔT)		
	Chase Mode	The Voltage Value and time value of waveform point		
Automatic Measurement		Peak to peak, maximum, minimum, top, bottom, mean, RNS, overshoot, pre shoot, frequency, period, rising falling, positive pulse, negative pulse, positive duty cycle, delay time and etc		
Mathematics		Add, Subtract, Multiply, Divide		
Storage Waveform		10 waveforms, 10 setting		
FFT	Window	Hanning, Hamming, Blackman - Harris, Rectangular		
	Sampling Point	1024 Pts		
X - Y Phase difference	Phase difference	±3 Degrees		
Multimeter Function				
DC Voltage	Range : 400 mV, 4 , 40, 400 V Accuracy : ± (1% + 5 Digits)			
AC Voltage (40 Hz ~ 400 Hz)	Range : 400 mV, 4 V, 40 V, 400 V Accuracy : ± (1.2% +5 Digits)			
Resistance	Range : 400 Ω, 4 kΩ, 40 kΩ, 400 kΩ, 4 MΩ, ,40 MΩ Accuracy : ± (1.5% + 5 Digits)			
Continuity Buzzer	<70 Ω			
Diode	Positive decline 0.5 to 0.8 V			
DC Current	Range : 4 mA, 40 mA, 400 mA Accuracy : ± (1%+5 Digits) Range : 4 A Accuracy : ± (1.5% +5 Digits)			
Display				
Display Type 5.7 ir		inch LCD display		
Display Resolution 320 >) × RGB × 240 (TFT)		
LCD Color		JUL		
Backlight 300 n		nit		
Language Support	Chin	iese, English		
		ut 2 V. Book voluo 51 MO		
	Abol	ut S V, Peak Value ≥1 MS2		
Frequency (Typical)				



Bench Type



Ports	
Standard	1 × USB DEVICE 1 × USB HOST Multimeter Host
Optional	GPIB and LAN
Power	
Power Voltage	100 -240 V ac RMS, 45 - 440 Hz, CAT II
Power Consumption	Less than 50 VA
Fuse	F1.6 AL 250 V Locate and nearly In power socket
Environment	

Temperature	Operating Environment : 0°C to +40°C		
	Non-Operating Environment : -20°C to +60°C		
Cool Down Method	Auto cool down		
Temperature	+10°C to +30°C : ≤95% ±5% RH +30°C to +30°C : ≤75% ±5% RH		
	+10°C to +30°C : ≤95% ±5% RH +30°C to +30°C : ≤75% ±5% RH		
High Temperature	Operating 3,000 *		
	Non-Operating 15,000 *		

•		
Size (For Reference only)	Widen	336 mm
	Height	177 mm
	Depth	147 mm
Weight (Gross Weight)	Weight without gift box	3.8 kg
	with Gift Box	6.5 kg
		•
IP Protection	IP2X	

IP Protection	IP2X
Calibration Period	One Year (Recommendation)

Part Number Table

Description	Part Number
DSO, 100 MHZ, 4 CH, 2 GS / S, 1024K PTS	72-8725

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