

## Specifications

Form	BRINGO II				BRINGO		
	DS-8824P	DS-8824	DS-8822P	DS-8822	DS-8814P	DS-8814can	DS-8812P
Frequency bandwidth	150MHz				100MHz		150MHz
Input CH	4		2		4		2
Display	5.8-inch LCD display (backlit EL), Blue color, 320 x 240 dots (115.17 x 86.37 mm)						
Max. sampling rate	•at CH1, CH3 (2CH): 400MS/s •When 4CH used: 200MS/s	•at CH1 (1CH): 400MS/s •When 2CH used: 200MS/s		•at CH1, CH3 (2CH): 400MS/s •When 4CH used: 200MS/s		500MS/s	
Equivalent sampling	10GS/s				10GS/s		25GS/s
Peak detect	5ns				5ns		2ns
Acquisition memory	100 k-point/CH						
Resolution	8 bits						
Volt range	2mV/div to 10V/div						
Accuracy	±2%						
Max. input voltage	±400V (DC + ACpeak)						
Bandwidth limit	10MHz						
Input coupling	AC, DC, GND						
Input RC	1MΩ±1.5%/20pF±2pF						
Probe attenuation	1:1, 10:1, 100:1, 1000:1 (1:1, 10:1, 100:1 are automatically detected)						
Probe	SS-0130R (150MHz, 10MΩ, 12.5pF, 10:1)						
Calibration signal	0.6V±1%, 1kHz±0.01%						
Time base range	5ns/div to 50s/div						
Roll mode	Short [1 k-point/CH (5 k-point/CH for DS-8812P)]: 100ms/div to 50s/div, Long [100 k-point]: 2s/div to 50s/div						
Persistence	YES						
Clock accuracy	50ppm						
Trigger mode	Auto, Normal, Single						
Trigger function	Edge, Event (COUNT, BURST, EXTRA, MISSING), TV (NTSC, PAL, SECAM)						
CAN bus trigger	NO				YES*1		NO
EXT trigger	NO	100mV/div		NO		100mV/div	

input	(Fixed)				(Fixed)	
External interfaces						
RS-232					YES	
GP-IB	YES* <sup>2</sup>	NO	YES* <sup>2</sup>	NO	YES* <sup>2</sup>	Option: DS-534
Floppy disk drive	YES	NO	YES	NO	YES	
PC card slot	YES (ATA card slot)					
Built-in printer	YES	NO	YES	NO	YES	
Automatic measurement	Tr, Tf, Vrms, Vmean, freq, Period, +PW, -PW, Duty, +Peak, -Peak, P-P, Skew					-
Cursor measurement	Top, Base, T-B, $\Delta t$ , Area, CVrms, CVmean, +Oshot, -Oshot, +Pulse, -Pulse					
Zoom	$\Delta V$ , $\Delta t$ , $1/\Delta t$ , V at t simultaneous 4-cursor display available					
Waveform arithmetic	Y-axis: Scaling within voltage sensitivity setting range, X-axis: Scaling at center of screen					
Average	CH1+CH2, CH1-CH2, CH1xCH2, FFT (CH3+CH4, CH3-CH4, CH3xCH4 for 4CH models)					
Frequency counter	2 to 256 times (Short acquisition memory only)					
Program mode	5-digit, $\pm 0.01\%$ , 1Hz to 150MHz (DS-8814P, DS-8814can: 1Hz to 100MHz)				The panel setting can be changed by dedicated $\blacktriangle$ and $\blacktriangledown$ keys	
Environmental conditions	Performance: 10°C to 35°C, Operation: 0°C to 40°C, less than 80% RH, Storage: -10°C to +60°C, less than 80% RH					
Dimensions	Approx. 215(W) x 170(H) x 166(L) mm (excluding protruding parts)					
Weight	Approx. 3kg	Approx. 2.7kg	Approx. 3kg	Approx. 2.7kg	Approx. 3kg	
Voltage range	AC 100 to 240 Vrms, 50/60 Hz					
Power consumption	100VA	85VA	90VA	75VA	110VA	90VA
Accessories	Probe (2 or 4), Power cable (1), Fuse (2), Operation manual (1), Thermal paper: for "P" model only (1)					

\*1 A trigger box that supports the DS-8814can (Simple-CAN<sup>2</sup>) is required. The DS-8814can CAN bus trigger function is not supported by the GP-IB interface.

\*2 The optional dedicated cable (DS-539) is required.