

ECONOMY LINE
PROFESSIONAL LINE

SPECIFICATIONS	OD-603	OD-606	OD-610	OD-620	OD-624	OL-612
Bandwidth	30 MHz	60 MHz	100 MHz	200 MHz	200 MHz	100 MHz
Sample rate	250 MS/s	500 MS/s	1 GS/s	2 GS/s		
Horizontal scale (s/div)	4 ns to 100 s/div 1-2-4 steps	From 2 ns/div to 100 s/div 1-2-5 steps		From 1 ns/div to 100 ns/div 1-2-5 steps		2 ns to 100 s/div 1-2-5 steps
Rise Time	≤ 11 ns	≤ 5.8 ns	≤ 3.5 ns	≤ 1.7 ns		
Trigger type	Edge, Pulse, Video, Slope	Edge, Pulse, Video, Slope, Alternate			Edge, Pulse, Video, Slope	Edge, Pulse, Video, Slope, Alternate
Channel	2 + 1 (external) channels			4		2 + 1 (external)
Color TFT display	8", 800x600 pixels			8" touch screen 800x600 pixels		8", 640x480 pixels
Channel isolation	100:1 (50 Hz), 40:1 (10 MHz)					
Max input voltage	400 V (PK - PK) (DC + AC, PK - PK)				1 MΩ input: 400 V (PK - PK) (DC + AC, PK - PK) 50 Ω input: 5 V (PK - PK) (DC + AC, PK - PK)	400 V (DC + AC, PK - PK)
DC gain accuracy	±3 %					
Record length	10 K, 100 K (optional 10 M)				7.6 M	Max 2 M
Probe attenuation factor	1x, 10x, 100x, 1000x					
Sample Rate / Relay Time	± 100 ppm					
Interpolation	sin(x) / x					
Interval (ΔT) accuracy (full bandwidth)	Single: ± (1 interval time + 100 ppm x reading + 0.6 ns); Average > 16: ± (1 interval time + 100 ppm x reading + 0.4 ns)					
Input coupling	DC, AC and GND					
Vertical resolution (A/D)	8 bits resolution (2 channels simultaneously)				8 bits (4 ch simul.)	8 bits (2 ch simul.)
Vertical sensitivity	5 mV/div - 10 V/div (at input)			2 mV - 10 V/div		
Trigger mode	Auto, Normal, Single					
Line / Field frequency (video)	NTSC, PAL and SECAM					
Cursor measurement	ΔV and ΔT between cursors					
Automatic measurements	V _{PP} , V _{AVG} , V _{RMS} , Freq, Period, V _{MAX} , V _{MIN} , V _{TOP} , V _{BASE} , Overshoot, Preshoot, Rise time, Fall time, Delay A→B ↓, Delay A→B ↑, +Width, -Width, +Duty, -Duty					
Waveform math	+, -, x, ÷, invert, FFT					
Waveform storage	15 waveforms				4 ref. waveforms	4 waveforms
Lissajous figure	(Full bandwidth). Phase difference: ± 3 degrees					(100 MHz). Phase diff: ± 3 degrees
Communication interface	USB host, USB device, Pass/Fail, VGA (optional), LAN			USB Host /Device, Pass/Fail, LAN, VGA (optional) or RS-232 (optional)	USB Host/Device, LAN, VGA	USB Host, USB Device
Power supply	From 100 to 240 V, 50/60 Hz, CAT II					
Dimensions (W. x H. x D.) mm	348 x 170 x 78			340 x 155 x 70	380 x 180 x 115	370 x 180 x 120
Weight (without package)	1.50 kg			1.8 kg	1.5 kg	2.2 kg
Included accessories	Power cord, CD-ROM, manual, USB cable, probe, probe adjust, logic analyser module (OL-612)					
Optional accessories	Soft bag			Soft bag, Battery	Soft bag	Soft bag, Battery

SPECIFICATIONS	LOGIC ANALYSER (INCLUDED IN OL-612)		
Sample rate (real time)	From 20 S/s to 2 GS/s	Trigger position setting	Pre-trigger, Mid-trigger and Re-Trigger
Bandwidth	100 MHz	Threshold voltage	± 6 V (4 settings)
Channel	16	Input signal range	± 30 V
Record length	Max 4M per channel	Data search	Available
Input impedance	660 kΩ ± 5%, in parallel with 15 ±5 pF	Data system	Binary, Decimal, Hex
Trigger mode	Edge, Bus, State, Data Alignment, Data Width, Distributed Queue	Digital filter	0, 1, 2 optional
		Setting storage	10 settings
		USB flash disk storage	Available