

**ECONOMY RANGE**
**PROFESSIONAL RANGE**

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	500 MS/s		1 GS/s	2 GS/s		
Horizontal scale (s/div)	4 ns to 100 s/div 1-2-4 steps	5 ns to 100 s/div 1-2-5 steps	4ns to 100 s/div 1-2-4 steps	From 2 ns/div to 100 s/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		≤ 3.5 ns
Trigger type	Edge, Pulse, Video, Slope					
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 PK - PK (DC + AC PK - PK)
DC gain accuracy	±3 %					
Record length	10 K	1M (optional 10M)	10 M		7.6 M	2 M
Probe attenuation factor	1x, 10x, 100x, 1000x					
Sample Rate / Relay Time	± 100 ppm					
Interpolation	sin(x) / x					
Interval (ΔT) accuracy (DC~100 MHz)	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					
A/D converter	8 bits resolution (2 channels simultaneously)				8 bits (4 ch simul.)	8 bits (2 ch simul.)
Vertical sensitivity	5 mV to 10 V/div	2 mV to 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 <sub>PP</sub> , V <sub>AVG</sub> , V <sub>RMS</sub> , V <sub>MAX</sub> , V <sub>MIN</sub> , V <sub>TOP</sub> , V <sub>BASE</sub> , V <sub>AMP</sub> , Freq, Period, Overshoot, Preshoot, Rise time, Fall time, Delay A→B ↑, Delay A→B ↓, +Width, -Width, +Duty, -Duty					
Waveform math	+, -, x, ÷, FFT					
Waveform storage	15 waveforms				4 ref. waveforms	4 waveforms
Lissajous figure	(Full bandwidth). Phase difference: ± 3 degrees					
Communication interface	USB 2.0, USB for file storage, LAN, RS-232			USB 2.0, USB for file storage, LAN, VGA		USB 1.1, USB for file storage, RS-232 (optional)
Power supply	From 100 to 240 V AC, 50/60 Hz, CAT II					
Dimensions (W. x H. x D.) mm	348 x 170 x 78				380 x 180 x 115	370 x 180 x 120
Weight (without package)	About 1,5 kg				About 1,9 kg	About 2,2 kg
Included accessories	Passive probe (x2), Power cord, USB cable, Quick guide					Passive probe (x4), Power Cord, USB cable, Quick reference guide, CD-ROM

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE. 08-16

SPECIFICATIONS	LOGIC ANALYSER (INCLUDED IN OL-612)		
Sample rate (real time)	From 20 S/s to 1 GS/s	Trigger position setting	Pre-trigger, Mid-trigger and Re-Trigger
Bandwidth	200 MHz	Threshold level	From -6 V to +6 V
Channel	16	Input signal range	From -30 V to +30 V
Record length	Max 4M per channel	Data search	Available
Input impedance	600 kΩ ± 5% // 15 ±5 pF	Data system	Binary, Decimal, Hex
Trigger mode	Edge, Bus, Pattern, Sequential queue data, Distributed queue, Data width queue	Digital filter	0, 1, 2 optional
		Setting storage	Available
		USB flash disk storage	Available