

ECONOMY RANGE
PROFESSIONAL RANGE

SPECIFICATIONS	OD-603	OD-606	OD-610	OD-620	OD-624B	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	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	4 ns to 100 s/div 1-2-4 steps	2 ns to 100 s/div 1-2-5 steps	1 ns to 1000 s/div 1-2-5 steps	2 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	Edge, Pulse, Video, Slope	Edge, Pulse, Video, Slope, Alternate			Edge, Pulse, Video, Slope, Runt, Window, Timeout, Nth Edge, Logic, I2C, SPI, RS-232, CAN	Edge, Pulse, Video, Slope, Alternate
Channel	2 + 1 (external) channels				4	2 + 1 (external)
Color TFT display	8", 800x600 pixels				8" multi-touch 800x600 pixels	8", 640x480 px
Channel isolation	100:1 (50 Hz), 40:1 (10 MHz)					
Max input voltage	400 V (PK - PK) (DC + AC PK - PK)				MW ≤ 300 V _{RMS}	400 V PK - PK (DC + AC PK - PK)
DC gain accuracy	± 3 %					
Record length	10 K	1M (optional 10M)	10 M		40 M	2 M
Probe attenuation factor	1x, 10x, 100x, 1000x				0.001x to 1000x, 1-2-5 steps	1x, 10x, 100x, 1000x
Sample Rate / Relay Time	± 100 ppm					
Interpolation	sin(x) / x				sin(x) / x, x	sin(x) / x
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			1 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				ΔV, ΔT, ΔV and ΔT between cursors, auto-cursors	ΔV and ΔT between cursors
Automatic measurements	V _{PP} , V _{AVG} , V _{RMS} , V _{MAX} , V _{MIN} , V _{TOP} , V _{BASE} , V _{AMP} , Frequency, Period, Overshoot, Preshoot, Rise time, Fall time, Delay A→B ↑, Delay A→B ↓, +Width, -Width, +Duty, -Duty					
Medidas automáticas adicionales (OD-624B)	V _{RMS} , Phase, RMS _{CYCLE} , RMS _{CURSOR} , Phase A→B ↑, Phase A→B ↓, +Pulse count, -Pulse count, Rise Edge Count, Fall Edges Count, Area, Cycle Area					
Waveform math	+, -, x, ÷, FFT					
Additional waveform math (OD-624B)	FFT _{RMS} , FFT, Integral, Differential, Square, User defined function, Digital filter (low pass, high pass, band pass, band reject)					
Waveform storage	15 waveforms				100 waveforms	4 waveforms
Lissajous figure	(Full bandwidth). Phase difference: ± 3 degrees					
Communication interface	USB host, USB device, LAN, RS-232			USB host, USB device, LAN, VGA	USB host, USB device, Trigger (Pass/Fail), LAN, VGA	USB host, USB device RS-232 (optional)
Power supply	From 100 to 240 V CA, 50/60 Hz, CAT II					
Dimensions (W. x H. x D.) mm	348 x 170 x 78				380 x 177 x 90	370 x 180 x 120
Weight (without package)	About 1.5 kg				2.6 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	Passive probe (x4), Power cord, USB cable, Quick reference guide, CD-ROM

DESIGN AND SPECIFICATIONS ARE SUBJECT TO CHANGES WITHOUT PRIOR NOTICE. 07-22

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