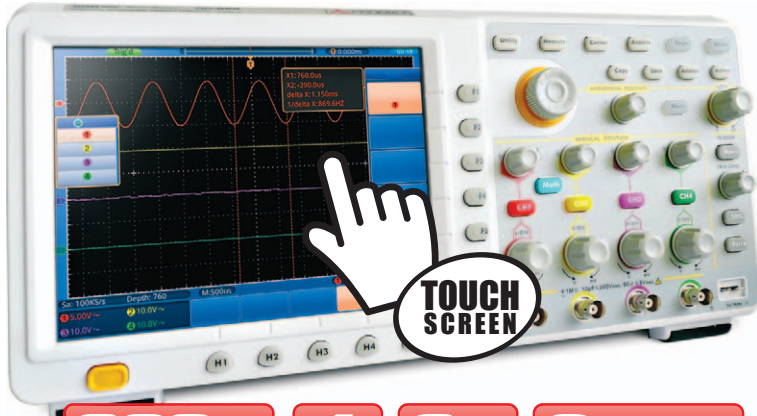


OD-624 - PROFESSIONAL RANGE

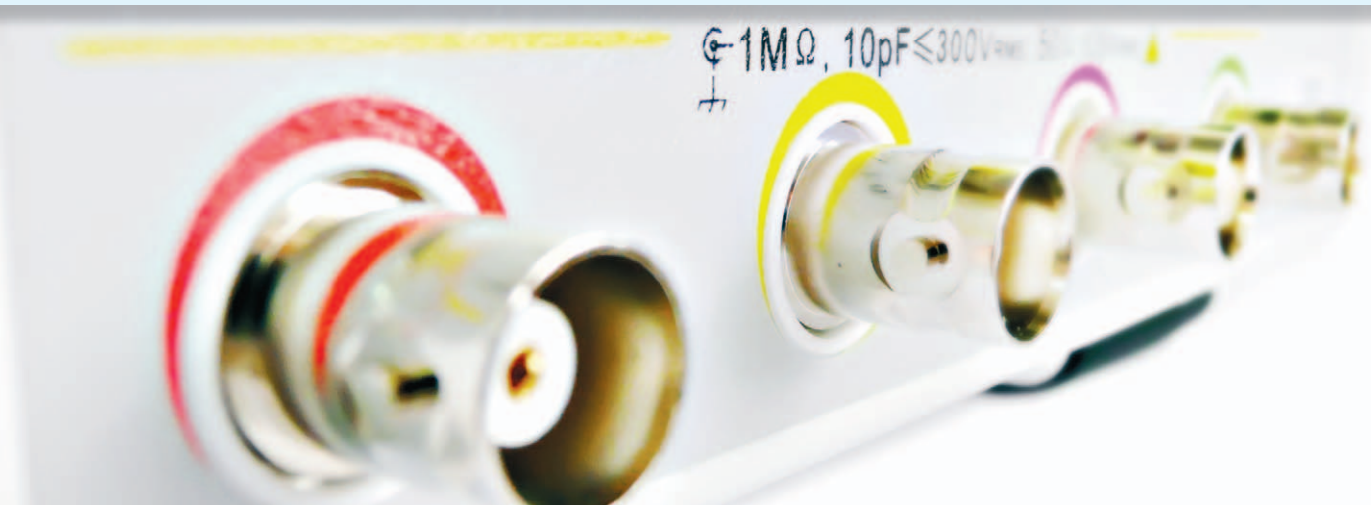


PROMAX OD-624 is a digital storage oscilloscope featuring up to 200 MHz of bandwidth and up to 2 GS/s real time sample rate. This professional range digital oscilloscope features an unprecedented large 8" touch screen high resolution display.



They include advanced functions such as several trigger modes, 20 automatic measurements, waveform storage and USB connectivity.

Their compact design and light weight makes these **PROMAX** digital oscilloscopes ideal not only for desktop applications such as circuit design or production lines but also for those cases that demand to carry the instrument from one location to another: automobile maintenance and testing, education and training, etc.

- ✓ Bandwidth: 200 MHz
- ✓ Sample rate: 2 GS/s
- ✓ Up to 7.6 M record length
- ✓ 4 channels
- ✓ 8" touch screen high resolution color LCD-TFT display
- ✓ 20 automatic measurements. Math functions and Pass/Fail function
- ✓ Communication interfaces: USB 2.0, USB for file storage, LAN, VGA



OD-624 - PROFESSIONAL RANGE

SPECIFICATIONS	OD-624 DIGITAL STORAGE OSCILLOSCOPE - PROFESSIONAL RANGE
Bandwidth	200 MHz
Sample rate	2 GS/s
Horizontal scale (s/div)	From 2 ns/div to 100 s/div, 1-2-5 steps
Rise Time (at input, typical)	≤ 1.7 ns
Trigger type	Edge, Pulse, Video, Slope
Channel	4
Display	8" color touch screen LCD, TFT display, 800x600 pixels
Input impedance	1 MΩ ±2 %, in parallel with 10 pF ±5 pF, 50Ω ±1%
Channel isolation	100:1 (50 Hz), 40:1 (10 MHz)
Max input voltage	
1 MΩ input	400 V (PK-PK) (DC+AC, PK-PK)
50 Ω input	5 V (PK-PK) (DC+AC, PK-PK)
DC gain accuracy	±3 %
Record length	7.6 M
Probe attenuation factor	1x, 10x, 100x, 1000x
Low Frequency response	≥ 5 Hz (at input, AC coupling, -3 dB)
Sampling rate / Relay time accuracy	±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
Vertical resolution (A/D)	8 bits resolution (4 channels simultaneously)
Vertical sensitivity	2 mV/div - 10 V/div (at input)
Trigger mode	Auto, Normal, Single
Trigger level	±6 divisions from screen center
Line / Field frequency (video)	NTSC, PAL and SECAM
Cursor measurement	ΔV and ΔT between cursors
Automatic measurements	V _{PP} , Avg, V _{RMS} , Max, Min, V _{TOP} , V _{BASE} , V _{AMP} , Freq, Period, Overshoot, Preshoot, Rise time, Fall time, Delay A→B  , Delay A→B  , +Width, -Width, +Duty, -Duty
Waveform math	+, -, x, ÷, FFT
Waveform storage	4 reference waveforms
Lissajous figure	Full bandwidth. Phase difference: ±3 degrees
Communication interface	USB 2.0, USB for file storage, LAN, VGA
Power supply	From 100 to 240 V, 50/60 Hz, CAT II
Dimensions	380 (W.) x 180 (H.) x 115 (D.) mm
Weight (without package)	1.90 kg
Accessories	Passive probe (x4), Power cord, USB cable, Quick reference guide

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