BENCH DIGITAL STORAGE OSCILLOSCOPE
--YOUR BEST ECONOMICAL CHOICE

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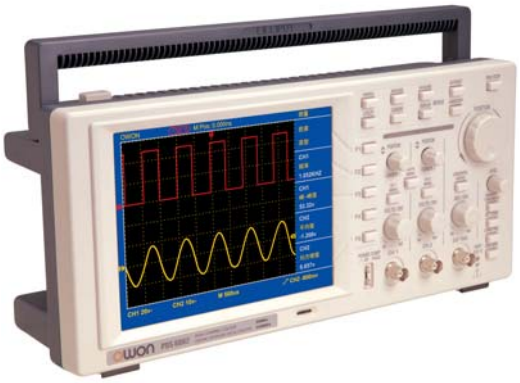
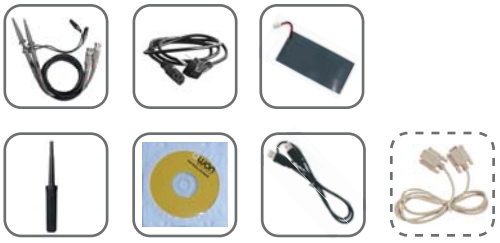
Meet your best need



PDS series

1. 7.8 (8.0) 1NCH COLOR DISPLAY FOR LARGE VIEW
2. STN PANEL AND TFT PANEL FOR OPTIONAL
3. USB CONNECTION
4. BATTERY BACK UP FOR OPTIONAL



PERFORMANCE CHARACTERISTICS

Bandwidth

	PDS5022: 25MHz	PDS6042: 40MHz	PDS6062: 60MHz

Channels

	2 + External

Display

	7.8 inch Color for STN panel (640X480 resolution) 8.0 inch Color for TFT panel (640X480 resolution)

Acquisition

Mode	Sample, Peak detect, Averaging		
Sample rate (real time)	PDS5022: 100MS/s	PDS6042: 250MS/s	PDS6062: 250MS/s

Input

Input coupling	DC, AC
Input impedance	1MΩ ±2% in parallel with 20pF ± 5pF
Probe attenuation factors	1X, 10X, 100X, 1000X
Max. input voltage	300V(PK-PK) CAT II

Horizontal system

Sampling range	PDS5022: 10S/s ~ 100MS/s PDS6042: 10S/s ~ 250MS/s PDS6062: 10S/s ~ 250MS/s
Record length	Max. 5K points
Time base range	5ns/div ~ 5s/div PDS5022(step as 1~2.5~5) PDS6042(step as 1~2~5) PDS6062(step as 1~2~5)
Time base accuracy	100ppm

PERFORMANCE CHARACTERISTICS

Vertical system

Vertical resolution	8 bits
Vertical sensitivity	5mV/div ~ 5V/div (Input to BNC)
Position range	PDS5022: ±10div(5mV/div ~ 5V/div) PDS6042、PDS6062: ±50V(500mV~5V) ±2V(5mV~200mV)
Single bandwidth	Full bandwidth
LF Respond (AC, -3dB)	≥5Hz (to BNC)
Rising time (typical on BNC)	PDS5022: ≤ 14 ns PDS6042: ≤ 8.75 ns PDS6062: ≤ 5.8 ns
DC Gain accuracy	±5%

Trigger

Trigger mode	Edge, Video
Trigger slope(Edge)	Rising、Falling
Trigger mode(Edge)	Auto, Normal, Single
Trigger sensitivity(Edge)	DC coupling: CH1 and CH2: 1div PDS5022: (DC~25M) PDS6042: (DC~40M) PDS6062: (DC~60M) EXT: 100mV(DC~20M) EXT/5: 500mV(DC~20M) AC coupling: CH1 and CH2: 1div (50Hz~Full bandwidth)
Trigger level range(Edge)	Internal: ±6 divisions from screen center EXT: ±600mV EXT/5: ±3V
Trigger level accuracy(Edge)	Internal: ±0.3 divisions EXT: ±40mV ±6% setting value EXT/5: ±200mV ±6% setting value
Trigger sync(Video)	Field、line
Trigger Sensitivity(Video)	Internal: 2 divisions EXT: 400mV EXT/5: 2V
Line/field frequency(Video)	Support NTSC, PAL and SECAM

Measurement system

Automatic measurement	PK-PK, Averaging, RMS, Frequency, Cycle
Waveform math	+, −, INVERTED
Waveform storage	4 waveforms, 4 settings
Lissajou's figure	Available

Probe compensation output

Output voltage	Approx 5V, PK-PK≥1M loading
Frequency	1KHz square wave

Power supply

Voltage	100 ~ 240 VAC, 50Hz, CAT II
Power consumption	≤15W
Fuse	1A, T class, 250V

ACCESSORIES: 1 pair of 1:1(10:1) passive probe、USB cable (RS232 optional)、Power cable
Instruction manual、Driver CD 、Adjustment probe compensation pen

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