PeakTech® 1190

PROD-ID: P 1190

100 MHz Digital Storage Oscilloscope with logic analyzer

100 MHz Digital storage oscilloscope of the latest generation with 16 CH logic analyzer and 20 cm (8")- TFT-colour display, high resolution, backlight and USB function benefits faster and larger data communication. The current electronic products become more complicated as the number of digital circuits and serial bus systems increase; the testing signal often mixes analog and digital signals so the engineer needs an test instrument that could test both of analog and digital signals. Provides versatile applications for educations, training centers, repair and maintenance and satisfies increasing needs of higher performance.

- **save data directly to an USB-stick**
- **100 MHz bandwidth**
- **500 MSa/s sampling rate per each channel**
- **16 logic input channels**
- **max. 2 Mio. points record length for each channel**
- **dual channels + external trigger + logic analyzer**
- **support USB data transmission, display by real-time**
- **advanced trigger functions: edge, bus, pattern, sequential queue data, distributed queue data and data width trigger**
- **autoscale-function, supports automatic setting of waveform- and data detecting**
- **Safety: EN 61010-1: 2001; CAT II**
- **Accessories: carrying case, 2 pcs. BNC cable, USB cable, software CD for Windows 2000/XP/VISTA and WIN 7, power cable, logic probe, 2 pcs. oscilloscope probes and manual**

bandwidth	100 MHz
display	20 cm 8" TFT (640 x 480 Pixel)
channel	2 CH + ext. Trigger + Logic-Analyzer
sample rate	500 MSa/s (real time) each channel
sampling mode	normal, peak detection, average
vertical sensitivity	2 mV - 10 V/div
input impedance	1 MΩ ± 2 % in parallel with 15 pF ± 3 pF
max input voltage	400 V DC or ACpp
input coupling	DC/AC/GND
accuracy	± 3 %
rise time	< 3,5 ns
resolution A/D	8 bits (2 CH simultaneously)
time base	5 ns - 100 s/div.
trigger mode	edge, pulse, video, alternate, slope
autom. measurements	peak-peak, cycle RMS, Vmax, Vmin, Vtop, Vbase, Vamp, overshoot, preshoot, rise time, fall time, +width, -width, +duty, - duty, delay A-B (rising), delay A-B (falling), frequency, period, mean

record length	max. 2 Mio. Punkte (1 CH)
waveform storage	4 waveforms
band width	66 MHz
channels	16
sample rate	1S/s ~ 400 MS/s (real time)
input impedance	1 MΩ ± 2 %
input signal range	0 ~ 5 V
threshold voltage	0 ~ 4 V (4 /settings)
trigger mode	edge, bus, sequential queue data, distributed queue data and data width trigger
position setting	pre, mid, post
record length	4 Mio. points CH (16 k at 400 MSa/s)
setting storage	10
data system	binary-, decimal system, hex
Digital-Filter	0, 1, 2 opt.
operation voltage	100 ~ 240 V ACrms / 50 Hz
dimensions (WxHxD)	370 x 180 x 120 mm
weight	2,2 kg