

Oscilloscopes for field applications

Features

	199C	196C	199B	196B	192B	125	124	123
Oscilloscope Features								
LCD Display	Color		B/W			B/W		
Persistence	Digital		●	●	●			
Waveform reference	●	●	●	●	●			
Automatic pass fail testing	●	●						
Cursors and zoom	●	●	●	●	●	Cursors	Cursors	
Connect-and-View Triggering	●	●	●	●	●	●	●	●
Video triggering with line count	●	●	●	●	●	●	●	●
Selectable pulse width triggering	●	●	●	●	●			
Capture and replay of last 100 screens	●	●	●	●	●			
Dual Input TrendPlot	With cursors and zoom					●	●	●
Memory for screens and setups	10 screens and setups					20	20	10
Recorder memories, each can store 100 scope screens, a ScopeRecord or a TrendPlot	2 recorder memories							
1000V Independently floating isolated inputs	●	●	●	●	●			
Meter measurements: VAC RMS, VAC+DC, VDC, Ohms, Continuity, Diode, Amps, Temp. (°C, °F)	●	●	●	●	●	●	●	●
Waveform mathematics: A + B, A - B, A x B, A versus B (X-Y-mode)	●	●	●	●	●			
Frequency Spectrum Analysis using FFT	●	●						
Power measurements	●	●	●	●	●	●		
Capacitance and frequency measurements	-/●	-/●	-/●	-/●	-/●	●/●	●/●	●/●
Bus Health Test function	●	●	●	●	●	●	●	●
Rugged, Dust and drip proof case.	●	●	●	●	●	●	●	●
PC and Printer Interface via optically isolated RS-232/USB cable	1)	1)	1)	1)	1)	1)	1)	1)
FlukeView® for Windows® Software (SW90W)	1)	1)	1)	1)	1)	1)	1)	1)

● Standard equipped 1) Optional

Specifications

(Check the Fluke web for detailed specifications)

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Oscilloscope Specifications								
Bandwidth	200 MHz	100 MHz	200 MHz	100 MHz	60 MHz	40 MHz		20 MHz
Maximum real time sample rate	2.5 GS/s	1 GS/s	2.5 GS/s	1 GS/s	500 MS/s	25 MS/s		
Input sensitivity	2 mV to 100 V/div		5 mV to 100 V/div			5 mV-500 V/div		
Timebase range	5 ns/div to 2 min/div				10 ns/div to 2 min/div	10 ns/div to 1 min/div		20 ns/div to 1 min/div
Inputs and digitizers	2 plus external trigger/DMM input					2		
Independently floating isolated inputs	Up to 1000 V between inputs, references and ground							
Max. record length ... in Scope mode: ... in ScopeRecord mode:	3,000 points per input 27,500 points per input or more (5 ms/div...2 min/div.)					512 min/max points per input		
Glitch capture	Up to 3 ns using Pulse Width triggering; 50 ns peak detect at 5 µs/div. to 1 min/div.					40 nsec		
Scope measurements	7 cursor+30 automatic					cursors + 26 automatic		26 automatic
True RMS multimeter	5000 counts, single input					5000 counts, dual input		
General Specifications								
Line Power	Adapter/Battery charger included							
Battery power	4 hours NiMH					7 hours NiMH		
Size	256 x 169 x 64 mm					232 x 115 x 50 mm		
Weight	2 kg					1.2 kg		
Safety certified (EN61010-1)	1000 V CAT II/600 V CAT III					600 V CAT III		
Warranty	3 years					3 years		