

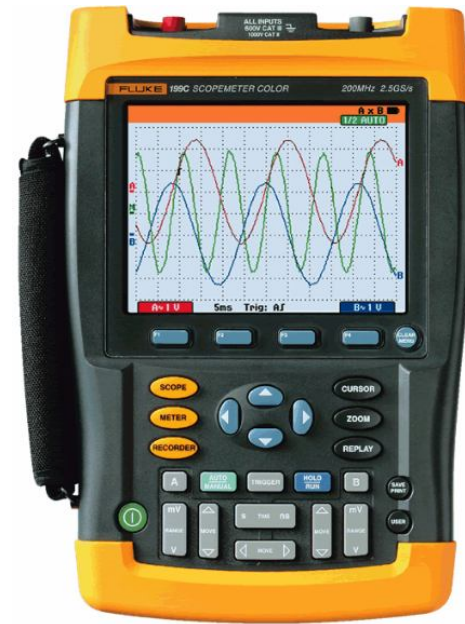
Features



ScopeMeter® 190 Series : All this power in your hand!

ScopeMeter 190C and 190B Series have specifications you typically only find on high-end bench oscilloscopes. They offer up to 200 MHz bandwidth for capturing high frequency signals, as found in today's state-of-the-art electronics, 2.5 GS/s real-time sampling and advanced memory and triggering functions. They're rugged, compact and battery powered.

- Dual-input - 200, 100 or 60 MHz bandwidth
- Up to 2.5 GS/s real-time sampling per input
- High resolution Color display
- High waveform resolution of 3,000 datapoints per channel (NEW)
- Connect-and-View™ automatic triggering and a full range of manual trigger modes
- Frequency Spectrum Analysis using FFT
- Digital Persistence for analyzing complex dynamic waveforms like on an analog scope
- Fast display update rate for seeing dynamic behavior instantaneously
- Automatic capture and replay of 100 screens
- 27,500 points per input record length using ScopeRecord™ mode
- TrendPlot™ paperless chart recorder for trend analysis up to 22 days
- Up to 1000 V independently floating isolated inputs
- Waveform reference for visual comparisons and automatic pass/fail testing of waveforms
- Vpwm function for motor drive and frequency inverter applications.
- 1000 V CAT II and 600 V CAT III safety certified
- Four hours rechargeable Ni-MH battery pack
- Industrial Bus Test capabilities available in new models - see



Specifications

Specifications	
Bandwidth	Fluke 199C: 200 MHz Fluke 196C: 100 MHz Fluke 192C: 60 MHz
Real-time sample rate	Fluke 199C: 2.5 GS/s Fluke 196C: 1 GS/s Fluke 192C: 500 MS/s
Inputs and digitizers	2 plus external / DMM input
Independently floating isolated inputs	Up to 1000 V between inputs, references and ground
Timebase range	5 ns - 2 min/div 10 ns - 2 min/div (192B)
Input sensitivity	190C Models: 2 mV-100 V/div
Trigger types	190C Models: Connect-and-View™, Free Run, Single Shot, Edge, Delay, Video, Selectable pulse width and External Dual slope trigger and Event trigger (n-cycle)
Glitch capture	50 ns (5 µs/div - 1 min/div)
Scope measurements	Cursor: 7 Automatic: 30
Maximum record length	ScopeRecord mode: 27,500 pts per input Scope mode: 3,000 pts per input
Memory	Screens + Setups: 15 Replay + Setups: 2
Display	190C Models: 144 mm full color LCD with fast update rate
Persistence	190C Models: Digital persistence giving analog oscilloscope-like waveform decay
Waveform Compare	190C Models: Waveform reference with automatic Pass/Fail testing

Environmental Specifications	
Operating Temperature	0°C to 50°C
Storage Temperature	-20°C to +60°C
Operating Altitude	3,000 m

Safety Specifications	
Electrical Safety	1,000V CAT II/600V CAT III (EN61010-1)

Mechanical & General Specifications	
Size	256 x 169 x 64 mm
Weight	2.0 kg
Warranty	3-years on main instrument, 1-year on accessories
Battery Life	NiMH: 4 hrs
RS232/USB Interface	Optically isolated via optional PM9080/OC4USB for interfacing to Printer or PC