

Fluke 190 Series II ScopeMeter®

New



Fluke 190-204



Fluke 190-202

The toughest portable scopes ever built

Combining rugged portability with the performance of a bench scope, the Fluke 190 Series II can take you from troubleshooting microelectronics all the way into power electronic applications. See more, fix more, and go where you've never gone with a scope before.

The first high-performance two and four-channel scopes built for harsh industrial environments

Introducing the first high-performance portable oscilloscopes with 2 or 4 independently insulated input channels, an IP51 dust- and dripwater proof rating and a CAT III 1000V / CAT IV 600V safety rating. Choose from 200 MHz, 100 MHz or 60 MHz bandwidth models. Now plant maintenance engineers can take a four-channel scope into the harsh world of industrial electronics. Safely troubleshoot three-phase systems like variable speed drives, UPS or back-up generators. Measure input, output and feedback signals simultaneously to diagnose industrial electronics. Both the 200 MHz (Fluke 190-20X) and 100 MHz (Fluke 190-10X) bandwidth models offer the following capabilities:

- Up to 7 hours of battery operation, standard (3,5 hours for 2 channel models)
- Isolated USB host port for direct data storage to a USB memory
- Device, plus USB device port for easy PC communication
- Easy-access battery door for quick battery swaps in the field
- Compact and only 2.2 kg (4.8 lb)
- Security slot: lock down oscilloscope with Kensington lock while unattended
- Connect-and-View™ triggering for intelligent, automatic triggering on fast, slow and even complex signals
- Frequency Spectrum using FFT-analysis
- Automatic capture and REPLAY of 100 screens
- ScopeRecord™ Roll mode gives 30,000 points or more per input channel for low frequency signal analysis
- TrendPlot™ paperless recorder mode with deep memory for long-term automatic measurements
- 5,000 count DMM included in the 2-channel models
- 2 or 4 independent isolated inputs, up to 1000 V
- High-speed sampling: Up to 2.5 GS/sec
- Deep memory: 10,000 points per trace waveform capture
- CAT III 1000 V/CAT IV 600 V safety rated for high voltage environments

Included Accessories

BC190 Power Adapter, BP290 Li-ion battery pack (2 ch only), BP291 Hi-capacity Li-ion battery pack (4 ch only), VPS410-R probe red, VPS410-B probe blue, VPS410-G probe gray (4 ch only), VPS410-V probe green (4 ch only), USB cable A – B (mini), Hanging strap, Side strap, CD user manual with FlukeView ScopeMeter software demo version, Statement of calibration practice, SW90W FlukeView Software with Reg. Code (/S versions only), C290 hard Case (/S versions only)

Ordering Information

Fluke 190-204	Color ScopeMeter, 200 MHz, 4 channels
Fluke 190-204/S	Color ScopeMeter, 200 MHz, 4 channels, with SCC-290 kit included
Fluke 190-104	Color ScopeMeter, 100 MHz, 4 channels
Fluke 190-104/S	Color ScopeMeter, 100 MHz, 4 channels, with SCC-290 kit included
Fluke 190-202	Color ScopeMeter, 200 MHz, 2 channels plus DMM/Ext. input
Fluke 190-202/S	Color ScopeMeter, 200 MHz, 2 channels plus DMM/Ext. input, with SCC-290 kit included
Fluke 190-102	Color ScopeMeter, 100 MHz, 2 channels plus DMM/Ext. input
Fluke 190-102/S	Color ScopeMeter, 100 MHz, 2 channels plus DMM/Ext. input, with SCC-290 kit included
Fluke 190-062	Color ScopeMeter, 60 MHz, 2 channels plus DMM/Ext. input
Fluke 190-062/S	Color ScopeMeter, 60 MHz, 2 channels plus DMM/Ext. input, with SCC-290 kit included

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Fluke ScopeMeter 190 Series II Product Highlights:

- 60 MHz, 100 MHz or 200 MHz bandwidth, with up to 2.5 GS/s real time sample rate and 400 pico seconds resolution
- Rugged, IP 51 rating, dust- and drip-proof
- Built-in 5000 count multimeter
- Connect-and-View™ to easily trigger on and display even complex waveforms
- TrendPlot™ and ScopeRecord™ to capture or plot waveforms and measurements over extended time spans
- Replay Last 100 Screens to go back in time to see waveform anomalies
- Environmentally tested to meet IP-51 dust-proof and drip-proof rating and withstand 3g vibration or 30g shock.

Customer driven enhancements

- Hi capacity Li-ion batteries offer up to seven hours operation
- Battery access door to easily swap out batteries for extended operation
- Two electrically isolated USB ports: mini USB-A for PC connectivity and a USB memory device port
- Security slot to lock down instrument using standard Kensington® PC lock
- Screw insert for standard camera mounting accessories

Recommended Accessories

