

The Fluke ScopeMeter® Series II are fully intergrated, battery powered, 50MHz digital storage Oscilloscopes and a 3-2/3 digital multimeters designed for measurements 'on the go'. These new test tools are easy to use with quick set-ups and hands free operation. Designed with a sealed, ruggedized case the ScopeMeters perform reliably, even in wet or dusty enviroments. Backlit screen makes for easy readings in bright light and no-light situations.

**All four versions feature:**

- Powerful digital scope performance, 50MHz bandwidth, 25 megasample per second acquisition rate enabling digitizing, viewing and storing single shot phenomena up to 40ns time resolution or repetitive signals beyond 50MHz. 50ns glitch capture, Scope cursor measurements and waveform mathematics for signal processing.
- Full function meter with true rms and 18 meter measurements. Measures AC, AC+DC( to 5MHz) and DC voltages in eight ranges to 600V rms (1700V peak to peak), Resistance measurements to 30M ohm in seven ranges. Measures current and temperature with optional probes.
- Measure Menu: Simply choose your desired measurement function from a list of 30 measurements and the ScopeMeter Series II automatically sets itself up and shows the result on the screen.
- Continuous Autoset™: This capability assures a stable picture on virtually any signal and permits hands-free probing. No need to touch buttons.
- On-line information: Pressing the 'info' button instantly gives information on measurement functions and instrument set-up wherever you are.
- Min/Max TrendPlot™ for trend recording. Automatically and simultaneously graphs the minimum, maximum and average values for any meter reading from 15 sec/div to 40 days.
- Backlit display: Analog-like greyscale backlit display produces waveform detail never before seen on a digital scope.
- Safety designed: Designed to Cat III per IEC 1010 and UL 1244, approved for 600V measurements on industrial power systems

**FLUKE 91/II (Single), FLUKE 92/II (Dual) Specifications:**

**Scope Mode**

- Continuous Autoset
- 40ns Glitch detect
- Waveform average: smoothing up to 256 waveforms, 10 samples in roll mode
- Vertical:
  - MIN/MAX Envelope mode
  - Analogue-like Grey-scale display
- Freq. response, -3dB DC to >50MHz      Sensitivity, 1mV to 100V/div to 1kV/div      Current probe scaling, 1mA/div to 100,000A/div
- Horizontal: Modes, Recurrent, single shot, roll
- Ranges; Recurrent-1ns to 1s/div, Single shot-100ns to 1s/div, Roll-2s to 60/div;
- Trigger: Sources, A, B or external;      Delay time, -20div to +640div;
  - N-cycle trigger,      retriggers after 2 to 255 trigger cycles
  - Delay by events,      1 to 1023 events after external trigger

**Meter Mode**

- DC Voltage ranges: 100mV, 300mV, 1V, 3V, 10V, 30V, 100V, 300V
- AC or AC+DC true rms Voltage ranges: 100mV, 300mV, 1, 3, 10, 30, 100, 250V
- Resistance ranges: 30, 300, 3000, 30K, 300K, 3M, 30M ohms
- Additional meter mode measurements: Frequency, RPM, Duty cycle, Pulse width, Diode test mode, dBV, dBm, dBW or audio/RF watts, °C or °F Temperature

**FLUKE 96/II, FLUKE 99/II, Specifications as per the 91/II and 92/II plus**

**Additional as below:**

- Cursor Measurements: (up to 5 displayed simultaneously)
- All voltage measurements can be Amp measurements with optional probes.
- Single cursor measurements: V at Left, Vat Right, Trigger to Left, Trigger to Right
- Dual cursor measurements: Hz, Vrms, Vmean, Vpk+, Vpk-, Vpk-pk, risetime, phase, dV,dT

Measurement readout; absolute relative zero, or % change  
Markers selectable on: Hz, Vpk+, Vpk-, Vpk-pk, risetime, phase

- Waveform Mathematics (Fluke 99 only) Add, subtract, multiply, invert, filter or integrate input signals. Calculate instantaneous or mean (real) watts with optional current probes
- Zoom: Magnifies waveform around the 4th division at the next acquisition, sweep
- Signal Generator (Fluke 99 only)  
Sinewave: 1V at 976Hz with <3% distortion, Source resistance 400 ohms  
Squarewave: 5V pk-pk at 488Hz, 976Hz or 1.95kHz, Source res. 400 ohms
- Memories (Save or recall)

Set-ups: Complete instrument setting, 40 for Fluke99, 20 for Fluke96  
Waveforms: Individual with setting, 20 for Fluke99, 10 for Fluke96  
Screen(print later image): All displayed waveforms, readings and set-ups