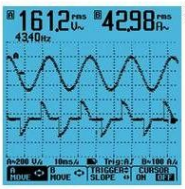
A three-in-one tool



ScopeMeter 120 Series combines a 40 or 20 MHz dual input digital storage oscillo-scope, two true-RMS digital multimeters and a dual input TrendPlot™ recorder all in a compact, battery powered instrument. Leave all other test tools behind, the ScopeMeter 120 Series is the only tool you'll need

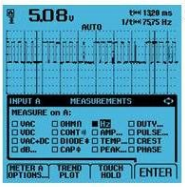
Dual-input measurement shows both meter reading and waveform at the same time today's need of simultaneously

One test lead measures all

High frequency waveform-, meter-, capacitance- and resistance-measurements as well as continuity checks are all covered by the shielded test leads. No time wasted finding or swapping leads. The included accessories allow hook-up at test objects of every dimension.

Check the starting capacitor of a motor using the ScopeMeter 120 Series

The confidence to do a better job



Working under time pressure and in cramped or difficult to reach locations means you want to focus on the job at hand, not on the test tool in your hand. Which is why the ScopeMeter 120 Series has Connect-and-View automatic triggering.You don't have to worry about triggering and instrument settings, and you have all the information on screen to do the job right.

Open the measure menu and select from 26 scope- and meter-measurements

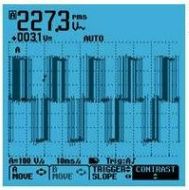
Battery powered mobility

Up to seven hours of battery operation frees you from mains outlets for true on-the- move working. The handheld format and the weight of just 1.2 kg, make the instrument easy to carry and to fit comfortably in your hand. The rugged and drip proof case assures long life and reliable operation in the harshest industrial environments.

Floating measurements, safety certified

While conventional oscilloscopes can only make measurements referenced to power line ground, the Fluke 120 Series make floating measurements so there is no risk of an accidental ground short circuit when making a connection. The ScopeMeter 120 Series and the included shielded test leads are safety certified for measurements on 600 V CAT III industrial power systems. And using the VPS40 probe, measurements up to 1000 V CAT II re fully supported! Via the optically isolated RS-232 or USB interface, the ScopeMete 120 Series can be safely connected to a printer for direct print-out or to a PC for later analysis and documentation using FlukeView software.

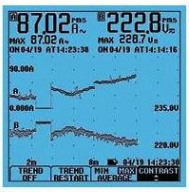
Connect-and-View™ triggering for an instant, stable display



Scope users know how difficult triggering can be. Wrong settings show unstable and sometimes wrong results. Fluke's unique Connect-and-View recognizes signal patterns, and automatically sets up correct triggering. It provides a stable, reliable and repeatable display of virtually any signal - including motor drive and control signals - without you touching a button. Signal changes are instantly recognized and settings adjusted for a stable display. Benefit from the speed and convenience when measuring a number of test points in quick succession.

Connect-and-View captures even the most complex motor drive signals

Use TrendPlot™ to help find intermittents, fast



The toughest faults to find are those that happen only once in a while: intermit-tents. They can be caused by bad connections, dust, dirt, corrosion or simply broken wiring or connectors. You may not be around to see it — your Fluke ScopeMeter will. In this "paperless recorder" mode, you can plot the minimum and maximum peak values and average over time – up to 16 days. The two inputs can plot any combination of volts, amps, temperature, frequency and phase - with time and date stamp -to help lead you to the cause of those faults quickly.

Cursors and zoom help you analyze the captured TrendPlot

Based on the 124, the Fluke 125 offers additional test capabilities for measurements on industrial machinery and industrial buses. The Bus Health Test capabilities are discussed in a separate section, see here.

Furthermore, the 125 offers the following additional capabilities for tests on industrial machinery:

- Power Measurements for single phase and balanced 3-phase systems. The Fluke 125 can directly present you the Total Power (Watts), Apparent Power (VA), Reactive Power (VAR) and the Power Factor (PF), over a wide range of applied frequencies, including those seen with motor drives and inverters. As a result, you are able to easily see the effects on the various power measurements during start-up or under changing operational conditions. A current clamp is included as a standard.
- Harmonics mode graphically displays harmonics up to the 33rd harmonic to assist in fault-finding, e.g. with large non-linear loads.
- RPM and Hz reading for use with electrical and combustion engines.
- Vac pwm for use on motor drive outputs, reading the true output voltage experienced by the motor itself.
- Low impedance measurements giving a 0.01 ohms resolution for motor windings and the like.

FlukeView® Software for documenting, archiving and analysis