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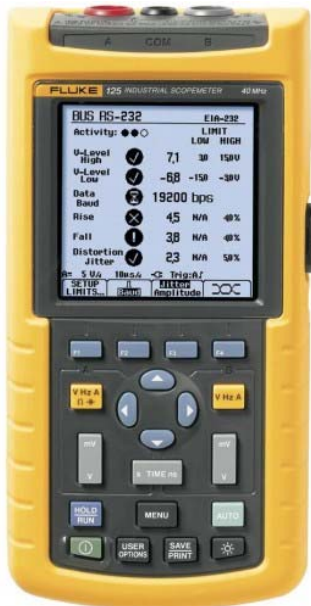
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Fluke 125S Industrial ScopeMeter with Software

Model: 125/003S

Fluke 125 Industrial ScopeMeter - features 40MHz sampling on two inputs, real-time monochrome scope, plus bus health test, power and harmonics measurements. Ideal for installing and troubleshooting field buses and motors. Includes SCC120 kit (software, communications cable and durable carry case)

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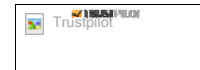
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2 to 3 Weeks

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The Fluke 125 Industrial ScopeMeter is a rugged, reliable solution for industrial troubleshooting and installation applications.

As the latest addition to the Fluke 120 Series ScopeMeters, the Fluke 125 has advanced features for installing and troubleshooting field buses and electrical machines. The ScopeMeter performs a bus health test on industrial buses, for example, which are rapidly becoming a headache for Service, Maintenance and Installation (SMI) engineers. The test quickly determines whether the bus is working and if not, helps to identify the cause. The rugged ScopeMeter works with many Industrial Networks including AS-I bus, CAN-bus, Profibus, Foundation Fieldbus and Ethernet.

In addition, the instrument can test power input, sensor timing, motor windings, drive output timing and power measurements - thus eliminating the need for expensive, more specialized test equipment.

All Fluke's market-leading Fluke 120 Series ScopeMeters integrate oscilloscope, true-RMS digital multimeter and dual-input 'paperless' recorder in one instrument. The ScopeMeters are 600 V CAT III safety certified for machinery, instrumentation, control and power systems. The new Fluke 125 has all the features of the successful Fluke 123 and Fluke 124 ScopeMeters and, in addition to the bus health test, it also carries out effective (Vpwm) voltage measurements of motor drive output, and has 0.01 ohm resolution on the 50 Ohms range for testing motor windings. User-named data setups make for easy use.

Popular Accessories

Click on a category to view a selection of the most popular accessories compatible with the Fluke 125S Industrial ScopeMeter with Software.

- [Temperature](#)
- [Test Leads & Probes](#)
- [Cases](#)
- [Current Probes](#)
- [Adapters](#)
- [Miscellaneous](#)

Simple good/bad readout for Field Bus parameters

The bus health tests of the Fluke 125 ScopeMeter find defects like bad or missing terminators, bad cable splits, missing links, incorrect line loading, line interrupts, short circuit conditions and reflections. The instrument continuously acquires the bus signal and compares parameters to official specifications. It displays bus speed and measures signal quality with 'good' or 'bad' indications for parameters like rise- and fall-time, amplitude, bias level, pulse width and distortion. The instrument checks at the hardware (not protocol) level. An eye-pattern mode allows for a visual check of signal integrity.

Harmonic analysis and power consumption

Extended Harmonics Analysis of mains waveforms reaches up to the 33rd harmonic. That includes the important 3rd and 5th harmonics, which may be the cause of overheating in neutral wire or motor, as well as flat-topping of the mains voltage from non-linear loads like SMPS units. The wide frequency range covers railway (16.66 Hz) and airplane systems (400 Hz) applications.

Power measurements cover single-phase and balanced-3-phase, 3-wire systems (Watt, VA, VAR and Power Factor). Unlike PQ analyzers, the instrument is not restricted to 50/60 Hz, and can measure power at the output of motor drives and frequency converters.

The Vpwm measurement capability shows the output voltage of motor drives exactly as the motor perceives it. For electrical and combustion engines, the 125 can indicate revolutions-per-minute (rpm), and can be set up for 1 or 2 rotations per pulse, or 1 rotation per 2 or 4 pulses. A 50-ohm resistance range brings excellent 0.01-ohm resolution for checking motor windings and other wiring.

Series automates measurements from industrial systems

The Fluke ScopeMeter 120 Series performs automated measurements on motor, switch and similar signals. The 123 has a 20 MHz bandwidth, while the 124 is a 40 MHz bandwidth instrument that performs more advanced measurements. The 125 is also a 40 MHz instrument but includes features for testing Field Bus and motors. All incorporate Fluke's unique Connect-and-View to recognize signal patterns, and automatically set up correct triggering.

The Fluke 125 includes a Power Adapter, test leads, 40 MHz probe, BP120MH battery (up to 7 hours operation) and i400s current clamp. The Fluke 125/S adds FlukeView software, carrying case and OC4US cable.

This product - the Fluke 125S - includes FlukeView Forms software, communications cable and a durable carry case.

[Fluke Corporation 125/003S Reviews](#)

Fluke 125S Industrial ScopeMeter with Software Reviews:

adam719 - Friday, June 8th 2012

Easy to use, built like a tank.

I first decided to purchase another brand costing half as much despite the fact that my other portable equipment is all FLUKE. What a mistake... it was difficult to use and broke within the FIRST WEEK! I sent it back and went with the 123 ScopeMeter. It was like coming home after being away. In summation, you get what you pay for.VERY HAPPY CUSTOMER!!

Recommendation: **Yes, I would recommend this product.**

Andy - Friday, June 8th 2012

When you need more than a DMM

We get electrical "noise" in our equipment and this is a great tool to help find the problem."

Recommendation: **Yes, I would recommend this product.**

Communications
Software
Mounting
Lights
Maintenance
Process Tools
Power
T&M Software

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I'd rather post as guest



Assuan Saimov · 9 months ago

Hi, Can you please confirm that both 125 and 125S are identical with an only difference that 125S includes software. The question is pertained to facilitation of adding 125S into National Register of Measuring Equipment in Kazakhstan with 125 being there already.

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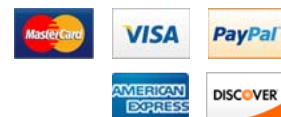
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