

# Fluke 225C and 125 ScopeMeter® Test Tools



Fluke 225C

The Fluke 225C and 125 are the instruments of choice for maintenance specialists who deal with industrial buses and networks as well as general electronics. You can verify the electrical integrity of your bus and network physical layer, performing tests and getting answers to digital signalling issues quickly and easily.

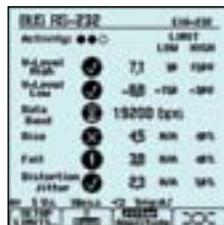
These instruments offer all the functions found in the 120 or 190C Series, plus added measurement capabilities for industrial networks such as Profi®, Foundation™, Modbus®, CAN-bus, AS-i bus, RS-485 and more.

Bus Health physical layer application measures critical digital signal amplitude, time and noise or distortion characteristics. Find errors like signal attenuation and distortion caused by improper cable connections, bad contacts, incorrect grounding, and missing or superfluous terminators. Signal integrity analysis is extended with the eye-pattern mode. A waveform display is built over successive signal passes to give you a visual indication of overall signal quality, noise levels, and signal jitter.

- Critical bus physical layer amplitude, time and noise or distortion measurements
- Compare measurement results to limits defined by the industry standard
- Display clear "good", "weak" or "bad" indicators.
- Eye pattern mode to visually inspect waveforms quality of transmitted data packets
- The Fluke 225C with isolated inputs perform floating differential measurements on balanced two wire bus systems
- 125 dual input measurements performed relative to common reference point
- BHT190 breakout adapter set DB9, RJ45 and M12 simplify probing onto bus signal connectors



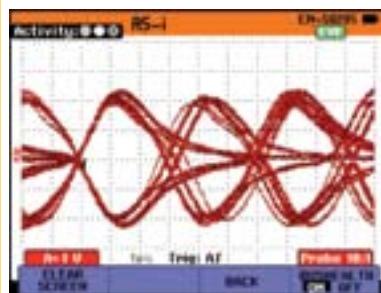
Fluke 125



## Sample screens



Measure critical signal characteristics, compare to industry standard.



Use "eye" diagrams to inspect for issues like signal noise, distortion and other common disturbances.

## Recommended accessories



## Specifications

	Fluke 225C (200 MHz 199C)	Fluke 125 (40 MHz 124)
Dual isolated inputs for differential bus system probing	•	
On screen bus system probe connection diagrams	•	
Bus Health Physical Layer Standards		
AS-i	•	
CAN-bus (ISO-11898) (DeviceNet)	•	•
Interbus S (EIA-485)		•
ControlNet (61158 type 2)		•
Modbus (EIA-232, EIA-485)	•	•
Foundation Fieldbus H1 (61158 type 1)	•	•
Profinet DP (EIA-485), PA (61158 type 1)	•	•
Ethernet 10Base2 (coax), 10BaseT (UTP)		•
Ethernet 100BaseT (100 Mb/s)	•	
RS-232 (EIA-232), RS-485 (EIA-485)	•	•
Measured parameters	Bias Voltage Level, signal amplitude, pulse width or baud rate, rise/ fall time, jitter, signal distortion, noise HF, noise LF, in-band noise	Baud rate, rise/fall time, high level, low level, distortion, amplitude, jitter
Eye diagram "qualitative" waveform analysis	•	
BusHealth breakout adapter set	BHT190 included	BHT190 optional

## Ordering information

Included accessories	Models
Test lead set, battery charger/line voltage adapter, battery pack (installed), getting started guide, multi-lingual users manual on CD.	FLUKE-225C/003 Color ScopeMeter (200 MHz, 2.5 GS/s) with Bus Health test capabilities built-in
	FLUKE-225C/003S Color ScopeMeter (200 MHz, 2.5 GS/s) with Bus Health test capabilities built-in, with SCC190 kit
	FLUKE-125 Industrial ScopeMeter, Bus Health, Power and Harmonics
	FLUKE-125S Industrial ScopeMeter, Bus Health, Power and Harmonics with SCC-Kit

Check price and availability at [www.fluke.com/wtb](http://www.fluke.com/wtb)