



Features and Benefits

The Fluke 125 = Fluke 124 plus:

Feature	Description	Benefit
Industrial Network Bus Health Test+for the following bus systems: <ul style="list-style-type: none"> ▪ CAN-bus, ▪ Foundation Fieldbus, ▪ Profibus, ▪ Industrial Ethernet (both Coax and Twisted Pair), ▪ AS-I bus, ▪ Interbus S (RS-485), ▪ Mod-bus (RS-232, RS-485), ▪ RS-232, ▪ RS-485, ▪ ControlNet, ▪ User defined system 	Continuous acquisition of signal with a high/low level and edge speed indicator. Display gives waveforms in an eye pattern mode and the instrument automatically calculates data transmission speed and gives good or bad indications for a range of parameters: <ul style="list-style-type: none"> ▪ rise- and fall-time ▪ amplitude ▪ bias level ▪ pulse width ▪ distortion 	Allows the SIM engineer to check signal quality on industrial networks. Supports fault-find at the hardware level in bus systems. Allows for faults like missing links, incorrect line loading, line interrupts, short circuit conditions, reflections and the like to be identified.
Harmonics Analysis up to the 33 rd Harmonic		Allows for fault-finding in electrical systems, e.g. due to flat-topping as seen with non-linear loads like SMPS-es. Supports wider frequency range than Power Quality testers, yet doesn't stick to the PQ-protocols (which give definitions only for 50 and 60 Hertz systems).
Power measurements	Watt, VA, VAR and Power Factor	Allows for power to be measured over a wide frequency range, e.g. at the output of motor drives and frequency converters. <i>Note: not tested versus PQ-standards; the 125 is not a PQ-analyzer.</i>
50 Ohms range	With 50.00Ω full scale readout and a resolution of 0.01Ω	Allows fault finding in motor windings and making comparisons between known good and suspected systems.

V_{pwm} Effective voltage of Drive output.	Measure the true effective output voltage as the motor perceives it on variable speed motor drives	Allows for true effective output voltage measurement on motor drives.
User named setups	With readable names (plain text names)	Brings better ease of use to the 125, allowing the user to give plain text identifiers to test-data when stored. All four cursor keys are used for selecting the character position and the character to be inserted, which is working really very conveniently.