

Digital multimeter selection chart

	Best for	Applications
Advanced	 Fluke 289 Part #79402947	Advanced industrial troubleshooting Logging: For unattended monitoring of signals over time, to detect intermittent problems. Graphing: View logged values graphically in the field right on the meter, without a PC. Working on VSDs: Take accurate voltage, current and frequency measurements on the output side of the drive at either the drive itself or the motor terminals. Testing motor windings or contact resistance: Allows testing of resistance up to 50 ohms with one milliohm (0.001 ohm) resolution.
	 Fluke 287 Part #84096239	Advanced electronic applications Logging: For unattended monitoring of signals over time, and characterize device performance. Graphing: View logged values graphically in the field right on the meter, without a PC. Monitoring two parameters at the same time: Dual display allows for monitoring of two selectable parameters. Performance testing: Testing the frequency response of amplifiers and audio transmission line.
	 Fluke 87V Part #88354519	Industrial troubleshooting Working on VSDs: Take accurate voltage, current and frequency measurements on the output side of the drive at either the drive itself or at the motor terminals. Industrial troubleshooting: All of the resolution and accuracy you need to solve more problems on motor drives, in-plant automation, power distribution, and electromechanical equipment. Checking power quality: Capture glitches and spikes as short as 250 μs. Identify irregular signals.
Wireless	 Fluke 3000 FC Part #42793687	Fluke FC wireless test tools Work faster, safer and easier with FC wireless test tools: The 3000 FC Multimeter displays the meter measurement, plus readings from up to three wireless modules, connect to your smart phone to see reading directly on your phone. Build the system as your needs grow: Start with the multimeter and future proof your investment.
General purpose	 Fluke 179 Part #62157136	Everyday use requiring true-rms Industrial troubleshooting: Applications requiring exceptional ease-of-use, ruggedness and reliability. Electrical maintenance and troubleshooting: Variety of commercial electrical troubleshooting, installation and maintenance. Temperature measurements: Built-in thermometer conveniently allows you to take temperature readings without having to carry a separate instrument.
	 Fluke 77 IV Part #36887776	Every day use requiring average responding Industrial troubleshooting: Applications requiring exceptional ease-of-use, ruggedness and reliability. Electrical maintenance and troubleshooting: Variety of commercial electrical troubleshooting, installation and maintenance.

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