

430 Series II comparison guide



	434 Series II Energy Analyzer	435 Series II Power Quality and Energy Analyzer	437 Series II Power Quality and Energy Analyzer
Users	Electrician Basic power quality user	Industrial electrician Utilities technician Advanced power quality user	Military defense, avionics and other transport-focused industrial electricians and utility technicians
Applications	Power and energy analysis using patented algorithms—Energy Loss Calculator monetizes cost of poor power quality Basic PQ V/A/Hz, power, dips, swells, harmonics, unbalance Power Inverter Efficiency: measure efficiency of inverters in solar, wind and UPS apps	PowerWave waveform capture: each event with full waveform details Power Inverter Efficiency: measure efficiency of inverters in solar, wind and UPS apps Power Scope Record: troubleshoot non standard three-phase power issues Advanced PQ, flicker, transients, Class A compliant Power and energy analysis using patented algorithms—Energy Loss Calculator monetizes cost of poor power quality	Captures power quality measurements for avionic and military power systems with 400 Hz frequency needs PowerWave waveform capture: each event with full waveform details Power Inverter Efficiency: measure efficiency of inverters in solar, wind and UPS apps Advanced PQ, flicker, transients, Class A compliant Power and energy analysis using patented algorithms—Energy Loss Calculator monetizes cost of poor power quality
Key features	Energy Loss Calculator Power Inverter Efficiency	PowerWave data capture Power Inverter Efficiency Energy Loss Calculator	400 Hz PowerWave data capture Power Inverter Efficiency Energy Loss Calculator



430 Series II Power Quality and Energy Analyzer selection chart

Model	Fluke 434-II	Fluke 435-II	Fluke 437-II
IEC 61000-4-30 compliance	Class S	Class A	Class A
Volt Amp Hz	•	•	•
Dips and swells	•	•	•
Harmonics	•	•	•
Power and energy	•	•	•
Energy loss calculator	•	•	•
Unbalance	•	•	•
Monitor	•	•	•
Inrush	•	•	•
Event waveform capture		•	•
Flicker		•	•
Transients		•	•
Mains signaling		•	•
Power wave		•	•
Power inverter efficiency	•	•	•
400 Hz			•
C1740 Soft Case	•	•	
C437-II Hard Case with rollers			•
SD card (Max 32 GB)	8 GB	8 GB	8 GB

All models include the following accessories: TLS430 test lead set, 4 x i430 thin flexi current probes, BP290 battery, BC430 power adapter with international power adapter set, USB cable A-B mini and PowerLog CD.

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