Reduce Your Facilities' Power Consumption

Fluke Corp. has introduced the Fluke® 430 Series II three-phase power quality analyzers, the first tools to use a patented algorithm to measure energy waste and quantify its cost. According to the company, the 430 Series II:

- Helps facilities reduce electrical power consumption and improve the performance and lifespan of electro-mechanical equipment by providing the ROI justification to mitigate power quality distortion.
- Features the patented Unified Power function, which allows electricians, utility technicians, electrical engineers, field service technicians, and energy consultants to automatically determine how much power is being wasted, and calculate exactly what the extra consumption costs with a single handheld tool.
- Allows facilities to assess the impact of new energy-efficient, electronically-driven systems, from lighting and motor controls to HVAC.
- Consumes less energy as individual installations and increases the level of power quality disturbance in the overall electrical system.
- Features three new measurement functions as well as hardware, software, and firmware improvements.
- Has up to 32 GB (8 GB standard) memory, a swappable SD memory card, and USB connectivity for longer power- and energy-logging and faster data download.
- Features improved screen quality and battery life, and the accompanying

software has been redesigned to give users more options to analyze both power quality and power consumption.
- Is fully compliant with the stringent international IEC 61000-4-30 Class-A standard.
- Can monitor systems with up to ten power quality parameters on one screen and can record up to 150 parameters on 4 phases simultaneously, in accordance with the EN50160 standard, and is safety rated 600 V CAT IV/1000 V CAT III.
- Features the Inverter Efficiency measurement function, which simultaneously measures the input and output power of inverters in solar systems, wind turbines, and uninterrupted power supplies, allowing the operator to see how much electricity the inverter itself is consuming and whether it is operating efficiently.
- Includes PowerWave (on the 435 model), a "fast capture" system that displays waveforms and half cycle RMS voltage and current values in full detail so motor and generator operators can measure the interaction during switching operations.

fluke-info@fluke.com [1]

www.fluke.com [2]

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