

Power ME537 Quality Analyser



The ME537 is a relatively new introduction for Three Phase Power Quality Analysing. It is a versatile device designed for power analysis, measurement, and quality diagnostics in electrical distribution systems. Engineered for both single-phase and three-phase applications, the ME537 supports non-intrusive testing through its compatibility with open-type Rogowski coils or voltage-type current transformers, enabling testing without the dismantling of existing wiring. This no-wire-dismantling feature simplifies procedures, reduces setup time, and lowers installation costs, making it ideal for on-site engineering tasks, inspections, and system maintenance.

The power analyser provides comprehensive measurement capabilities, capturing key electrical parameters such as current, voltage, power factor, power, and energy. It also analyses power quality indicators including harmonics, voltage unbalance, voltage swell, and dips. Equipped with a 3.5-inch IPS display (480x800 resolution), it allows for intuitive navigation through its setup, measurement, and recording interfaces. Operational environment temperatures range between -20°C to $+55^{\circ}\text{C}$ with up to 90% relative humidity. This device is also suitable for demanding field conditions, adhering to CAT III 600V measurement category and has a protection rating to IP30 standards.

Internally, a 32GB memory card supports extensive waveform and programmable interval data recording, with export facilitated via USB (FAT32). Communication is enabled through RJ45 Ethernet and RS485 interfaces, supporting Modbus TCP and RTU protocols for seamless integration with central data systems. The device operates on 85–305VAC or 100–430VDC power supplies, consuming a maximum of 5VA. User-configurable settings include system language, clock, display, and phase sequence naming, enhancing customisation for specific project needs. With features like zero drift suppression, demand recording, and CO_2 emission analysis, the ME537 offers a comprehensive solution for modern power monitoring and quality assurance.

Call our office for more information on this versatile power analyser.

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