The ICMcompact is part of the Power Diagnostix ICMseries of digital partial discharge detectors. The ICMcompact is a compact, stand-alone instrument for evaluating the condition of medium and high voltage insulation. It is often used in quality assurance and quality control tests in manufacturing.

**Stand-Alone Instrument**

Partial discharge (PD) measurements are a proven method for effective, nondestructive evaluation of electrical insulation. The Power Diagnostix ICMcompact provides a simple push-button interface and on-screen menus in an embedded LCD panel. The LCD display modes include a simple PD charge meter with adjustable "needle" sensitivity, monochrome phase-resolved PD patterns for characterization of defects, and a scope-like display showing phase-summed charge pulses superimposed with a sine wave.

Although the ICMcompact is an autonomous unit, it can be connected to a computer installed with Power Diagnostix software to capture screenshots or to implement remote control of the unit.

**Applications**

Instantly displaying information in an intuitive interface, the ICMcompact is a good choice for applications such as quality control tests in manufacture of electrical products, and for quality assurance of industrial and utility equipment from capacitors and bushings to gas-insulated switchgear, voltage transformers, power plants, and others. A wide range of accessories adapts the ICMcompact to specific testing applications and noise conditions.

The ICMcompact DSO option can be used to locate partial discharge defects in power cable. Using time domain reflectometry, in which the PD and its "echoes" travel the length of the cable under test, the ICMcompact provides the proportional distance of the PD fault along the cable.
The easy portability, simple operation, and flexibility of the Power Diagnostix ICMcompact make it a good choice for routine PD testing in a variety of utility and industrial applications.