

## SURGE PROTECTIVE DEVICES

# MasterTEST® Hand-Held Tester

## For Select®2, TransGuard® and EGPE2® Products



### The Current Technology®

MasterTEST® unit is an economical, hand-held device that performs offline evaluation of the Current Technology Select®2, TransGuards® and EGPE2® suppression filter systems and helps validate neutral-to-ground integrity. MasterTEST examines and reports these critical conditions on its large LCD display.

### Features and benefits

- Easy to operate
- Senses percentage of protection available
- Monitors neutral-to-ground voltage and current
- Checks RFI/EMI filter capacitors
- Checks selenium elements (Selects2, products only)

### To Protection Available Sensing

MasterTEST senses and displays the available surge protection for each phase. With microprocessor-based circuitry, MasterTEST analyzes each hybrid element fuse, calculates the amount of protection still active in the circuit and displays this value as a percentage of total protection. This assures the operator that critical loads are fully and safely protected with a failure-free device. Unlike passive monitoring systems that provide all or nothing' post-event data, MasterTEST provides analysis of the percent of protection so the true status of the suppression filter system is known. This feature monitors the status of the metal oxide varistors (MOVs), filter capacitors and selenium cells (Selects®2 products only).

### Neutral-to-Ground Voltage and Current Sensing

The RMS voltage measured across the neutral and ground alerts the operator of a possible neutral-to-ground bonding problem or an asymmetrical load within the distribution system. Current detected on the ground conductor could indicate excessive leakage through the suppressor's neutral-to-ground path—a better indication of neutral-to-ground MOV degradation. MasterTEST neutral-to-ground voltage and current sensing features are invaluable tools for monitoring the overall well-being of a distribution system.