

multitek®

Multifunction Meter + Rogowski Coil

M850-LRC

Description

The M850-LRC is a unique combination of a 3 phase digital universal metering system and Rogowski coils. It can be used on any voltage system with a wide range of inputs, and incorporates a universal AC or DC auxiliary power supply.

One unit covers the majority of applications and wiring systems without any modification required, making the M850-LRC ideal for stocking. The M850-LRC has a LCD display with user selectable options of Blue, Green, or White back-lighting.

The M850-LRC supports up to three Rogowski coils for measuring current. By combining the meter with one or more M240-RCM coils the M850 can measure current up to 4000A. To maintain accuracy and resolution, four ranges of the meter can be ordered: 0-500 0-1000A 0-2000A or 0-4000A. Example: Nominal current is 400 Amps, you would choose the 0-500A meter.

Using M240-RCM coils allows for extremely easy installation compared to conventional CTs, making them ideal for fitting in difficult to reach installations, or for retrofitting applications. Also, the wide current range offers a cheaper solution than standard current transformers for high primary currents.

Communications

An integrated RS485 port enables the M850 to communicate with up to 31 other meters or controllers using the popular Modbus RTU protocol. The protocol allows the M850 to be used with PC, PLC, RTU, Data loggers and Scada programs.

Display

The unique 3 colour option LCD FSTN display is designed to be read in a variety of conditions over wide viewing angles and distances. There are three colour options of the back lighting available: Blue, Green, or White; which are selectable through the front panel.

Coil

The M240-RCM is available in a variety of standard lengths to suit most installation scenarios. Special lengths are available on request. For more information please see the MultiCore brochure.



Easy Installation

Flexible Rogowski coil allows installation around conductors without disconnection or removal.



Parameters Measured

- Phase Voltage (V)
- Phase to Neutral (V)
- Phase Current (I)
- Frequency (Hz)
- Active Power (W)
- Reactive Power (Var)
- Apparent Power (VA)
- Active Energy (W.h)
- Reactive Energy (Var.h)
- Power Factor (P.F.)
- Inst. Demand Amp
- Inst. Demand Active Power
- Inst. Demand Apparent Power
- Max Demand Amps
- Max Demand Active Power
- Max Demand Apparent Power
- Neutral Current
- THD Voltage Option
- THD Current Option

