

Panelboards - I-Line MCCB panelboards

Metering facilities

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The I-Line Panelboard product range has been enhanced to include the facility to meter incoming and outgoing circuits. This enables contractors to easily and simply meet the requirements of Part L2a of the Building Regulations. These metering kits allow great flexibility in the choice of meter and also in the configuration of the boards. The metering arrangement varies depending on the size of board.

For the Size 1 250A board there is an extension box which may be fitted to the top or bottom of a board to meter the incoming supply.

For Size 1 400A, Size 2 and Size 3 boards components are provided to meter some or all outgoing ways and/or the incoming supply.

Currently most boards have incoming metering kits. These new kits may be used as well as or instead of these existing arrangements.

Size 1 250A boards

This metering kit is for the incoming supply to the board. It comprises an extension box that can be fitted to the top or the bottom of a standard board. This box contains a three-phase block current transformer, fuses for the voltage supply and a PM5000 multi-function meter. Because the main incoming cables pass through this enclosure it is not suitable for a retrofit. The kit comes complete; no other parts are required to install this metering kit.



Size 1 (250A)

Reference number MPME2501 250A top/bottom metering extension box

Size 1 (400A), Size 2 and Panelboards

A standard board can be adapted to meter the incoming supply and some or all of the outgoing circuits by the addition of three components.

These components are

1 Metering kit. This contains a replacement wireway door with 96 sq cutouts for the number of outgoing ways of the board plus one. This additional cutout is to meter the incoming supply as required. Blanking plates are supplied for unused meter positions. One door kit per board.

2 Current transformer kit. One kit for each circuit to be measured. The kit will comprise a three phase CT block, mounting plate and cable loom. The CT blocks fit to the breakers. The CT size and ratio matches the breaker.

3 The multi-function meter for each circuit to be measured. The meter is selected from the Schneider Electric Power Meter range. See below for details.

Size 1 400A

Reference number		No. of Meters
MPMK104	4 way I-Line metering kit	5
MPMK107	7 way I-Line metering kit	8
MPMK112	12 way I-Line metering kit	13

Size 2 630A

Reference number		No. of Meters
MPMK206	6 way I-Line metering kit	7
MPMK210	10 way I-Line metering kit	11
MPMK214	14 way I-Line metering kit	15
MPMK218	18 way I-Line metering kit	19

