

MUC-PE Meter and Enclosure

Introduction

The new MUC-PE is the latest design in metal enclosures suitable for the Elster A1140, 5 amp current transformer operated meter. The new enclosure has been designed with the electrical engineers at Manchester University to meet the high and specific requirements for any metering installations to be carried out at the University.

Installing the Enclosure

First, Open the cover and check that the three phase block current transformer fitted inside is the correct current ratio for the total load on the distribution board. This can be done by reading the product label which is fitted on the reverse side of the cover or by reading the label fixed on the side of the current transformer. Examine the area where the enclosure is to be fitted and check that the cables will be long enough to pass through the holes in the current transformer and up to the main isolation switch in the distribution board.

The metal enclosure has been designed to make installation as simple and as easy as possible.

To drill either the top or bottom of the enclosure simply remove the two sets of four screws and remove the cover plates, this will allow a better way to drill and line up your holes.

Earthing the Enclosure

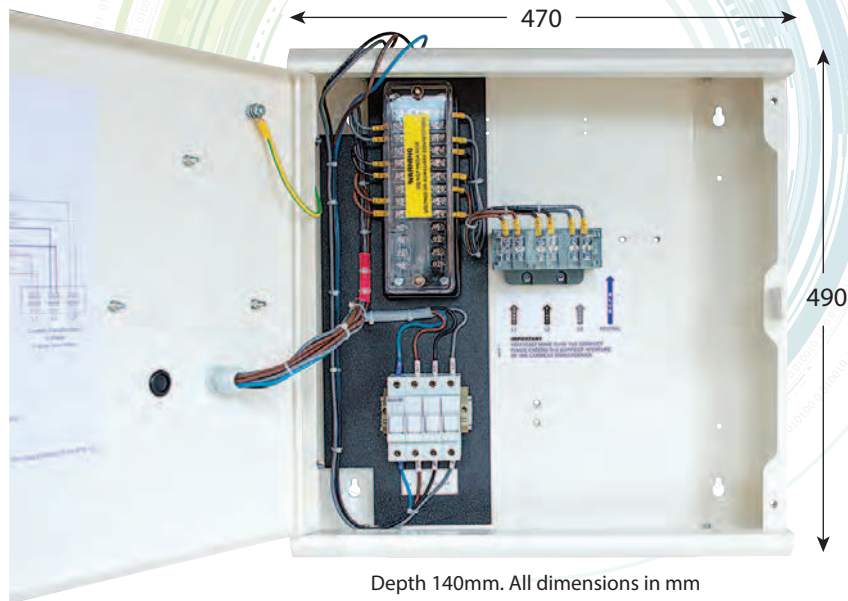
The enclosure must be earthed in accordance to the latest regulations concerning steel enclosures. The enclosure comes with two earth positions with green earth labels attached you can use either of these positions to earth the enclosure.

When connecting the earth wire, form the cable and leave a generous length so the cable is not pulling on the terminal.

When you have finished the installation do the required electrical tests to comply with the latest electricity regulations concerning installation of meters in metal enclosures.

It is essential that the steel enclosure is correctly Earthed in accordance to the Electricity Regulations.

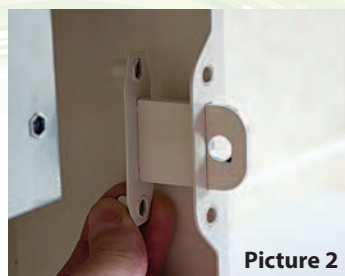
DO NOT MEGGA TEST THE VOLTAGE OR CURRENT CIRCUITS WITH THE METER CONNECTED



Depth 140mm. All dimensions in mm



Picture 1



Picture 2



Picture 3



Picture 4

Fixing the Lock Bracket

When the enclosure has been installed it will be necessary to remove the lock hasp and reposition it so the hasp protrudes through the front cover. Remove the two screws so the hasp drops down (see picture 1), turn the lock hasp so it protrudes through the slit in the case (picture 2). Secure using the original screws (picture 3). The final lock should look like picture 4.