

# MX-200 Meter and Enclosure

## Introduction

The new MX-200 is the latest design in metal enclosures suitable for the IC-200 range of meters. The MX-200 is the combination of the IC-200 meter fitted into the new enclosure.

The new MX range of steel enclosures from Autometers offers the ideal way of installing an electricity meter, ensuring that the meter is protected and enabling a very simple installation. The steel enclosures are manufactured in 1.2mm steel and powder coated in light grey (RAL 7035) to give strong, robust and aesthetically-pleasing appearance.

## Installation

Check that you have the correct parts before starting the installation. *Please see list below.*

1. The correct meter for the application
2. The steel enclosure is suitable for the installation

## Installation of the Enclosure

Firstly examine the area where you are going to mount the enclosure check that the cables will be long enough to meet the terminals of the meter and in some cases remember that the Neutral and Earth cable go direct to the distribution board. There is a neutral and Earth option which can be fitted next to the meter - see figure 3.

To fit the enclosure, remove the cover then remove the inner metal plate which the meter is fixed to, this is done by loosening the four screws which are marked "A" in figure 2 and sliding the metal plate upwards. Position the box on the wall and mark the three fixing points "B" on the wall, making a note where to drill for your cable entry. Drill the box for your cable entry and also drill and plug the wall, Fix the metal box to the wall and refit the inner metal plate holding the meter. Remove the terminal covers on the meter, study the connection diagram and terminate your cable to the meter, refit the terminal cover and do the required electrical testing as per the latest addition of the IEE regulations concerning meter installations in metal enclosures.

**DO NOT MEGGA TEST the circuit with the meter connected. See IC 200 leaflet enclosed.**

## Earthing the Metal Enclosure

The steel enclosure must be Earthed in accordance with the latest and relevant Electricity Regulations concerning steel enclosures. The enclosure has two possible Earth fixing points which are positioned below the meter. A green Earth label is positioned by one of them. You can use the Earthing point we have built in or install your own, but ensure that you have a good sound connection with your Earth wire to the case.

When connecting the Earth wire, form the cable so that it attaches to the Earthing point without pulling on the connection.

When you have finished installing the enclosure ensure that you do the necessary electrical tests to comply with the latest Electricity Regulations concerning metal enclosures.

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

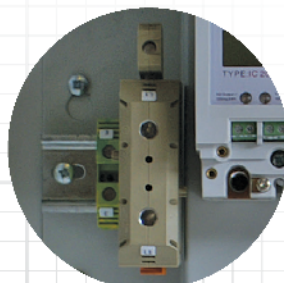


Figure 3



Figure 1

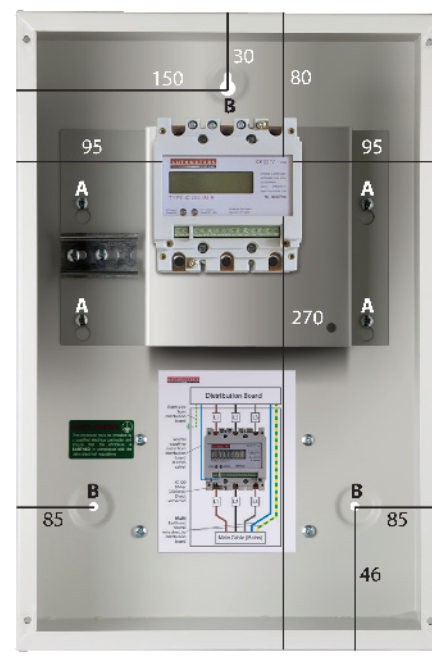


Figure 2

depth of unit 130

all dimensions in millimetres

Outer Metal Case	1.2 mm Steel
Inner Metal Plate	1.2 mm Steel
Finish	RAL 7035 (Light Grey)
	Powder Coat Texture Finish