### Atlas Series Class 1 and Class 2

The Mk10A is a member of our Atlas series. A polyphase meter with CT connected or Whole Current measurement options, it includes power quality indication, advanced commissioning functionality and a large memory storage



User Guide to LCD Screen Displays



Version 1.4

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#### **1.0 INTRODUCTION**

The EDMI Mk10 meter is a new development of 'Smart' metering used to measure Electricity consumption. It is a unique product which enables energy usage to be continually measured and stored and then data is transmitted to the Supply Company when needed for billing. The meter has a large number of features, readily available, to provide Users with detailed information about their electricity supply including Tariff (Standard Settlement Configuration - SSC), Power Factor, Maximum Demand and Total Billing Consumption together with individual Rate consumption for consumers on multi rate tariffs.

In addition, there is an option to obtain analysed billing data information via a web link. Users can then see a detailed breakdown of their energy usage and time of use to enable any unplanned wastage to be eliminated and help manage more efficient usage, as part of an energy management process.

#### **3.1 THE SCREEN WITH ALL SEGMENTS ILLUMINATED**

#### 2.0 ACCESS TO DISPLAY SCREENS

Access to all the features of the meter only requires the pushing of a single 'display' button on the meter. The meter has two main displays called 'Set A' and 'Set B'. To move from 'Set A' to 'Set B' you simply press and hold the 'display' button for approximately 2 seconds.

Details of all the individual LCD screens within each 'Set' are shown on the following pages. To cycle within the 'Set' you simply press the display button and the display will advance one step.

Continual individual presses of the button will eventually cycle the display back to your starting point.



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6

7

8

9

2

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#### 3.2 SET A - METER READ INFORMATION



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#### 3.2 SET A - TARIFF & MPAN INFORMATION



#### 3.3 SET B - SUPPLEMENTRY INFORMATION - Shown when "display" button is held for 2 seconds



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4

#### **3.3 SET B - SUPPLEMENTRY INFORMATION**

| Phase Angle (degree's)<br>(for PF take Cos of the Angle)<br>(-ve for Lag +ve for Lead)                              | Followed by L2 & L3 Phase Angles    |
|---------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Overall Power Factor</b><br>(-ve for Lag +ve for Lead)                                                           | ↓ L1 L2 L3<br>SetB – OOOO           |
| Active Power<br>(+P for Import -P for Export)<br>(Range will change to MW for high<br>CT ratios)                    |                                     |
| <b>Overall Active Power</b><br>(+P for Import -P for Export)<br>(Range will change to MW for high<br>CT ratios)     | Followed by L2 & L3 Active Powers   |
| <b>Reactive Power</b><br>(+Q for Import -P for Export)<br>(Range will change to MVar for high<br>CT ratios)         | Followed by L2 & L3 Reactive Powers |
| <b>Overall Reactive Power</b><br>(+Q for Import -P for Export)<br>(Range will change to MVar for high<br>CT ratios) |                                     |
| Apparent Power<br>(+P for Import -P for Export)<br>(Range will change to MVA for high<br>CT ratios)                 | Followed by L2 & L3 Apparent Powers |

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#### **3.3 SET B - SUPPLEMENTRY INFORMATION**



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6