EDMI Mk10A
Three Phase (CT) Electricity Meter

EDMI is a global smart energy solution provider, focussing on design, development and manufacturing of technologically advanced metering solutions.

EDMI Metering devices enable the management of distribution, load consumption and meter data resources efficiently.

features

- Current Transformer (CT) electricity meters from EDMI (Atlas series)
- National Measurements pattern approved
- Class 1, 2 accuracy (1% active, 2% reactive)
- Suitable for 3 Phase 4 wire applications
- 3 element 4 quadrant
- Measures 13 channels split between two logs: Billing log (Import/Export Wh, varh.) Engineering log (Current, voltage and phase angle for each phase).
- One RS 232 port with modem power supply connects to modem for remote communications
- Option to use SmartHub MODBUS interface with BMS systems
- Sub-metering interval can be programmed to 30 or 15 minute interval. Meters should be programmed as per the LNSP.
- Approximately 13.7 years of 4 channel 30 minute interval data can be held in memory
- Ability to store average/minimum/maximum values for interval duration

benefits / suitability

- Suitable for high rise high density buildings, both residential and commercial where main utility supply is divided between multiple tenants and usage needs to be captured accurately for cost recovery per Unit/User
- System is remotely read reducing the need for utility visits by meter readers, increasing site security
- Allows access to more information / reports which leads to better understanding of energy consumption
- System delivers more capability for billing, reporting and regulatory compliance
- Easy to maintain, utility grade solution
- Stores both Cyclic and Interval data

To find out what Metering Dynamics can do for your business, contact us:

Call 1300 792 611
Email sales@meteringdynamics.com.au
Visit www.meteringdynamics.com.au
## Technical Specifications

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<th>Item</th>
<th>Description</th>
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| **Manufacturing Code** | 1A11-1H21-27-F11-201030-3P (1 input / 3 output)  
                       | 1A11-1H21-27-F11-203010-3P (3 input / 1 output) |
| **Approvals**    | IEC/AS 62052-11, 62053-21, 62053-22, 62053-23                                |
| **Dimensions**   | 240mm (H) x 165mm (W) x 80mm (D)                                           |
| **Weight**       | 1.8 kg                                                                      |
| **Life Expectancy** | 15 years                                                                    |
| **Nominal Voltage** | 220-240V                                                                    |
| **Operating voltage** | 180-290V                                                                    |
| **Frequency**    | 45-65Hz                                                                     |
| **Range/Limit**  | CT Range: 5/20A  
                       | CT Limit: 20 times Imax for 0.5 seconds                                      |
| **Input/Output** | 1 x active input 12V, 3 x passive S0 output  
                       | 3 x active input 12V, 1 x passive S0 output  
                       | or 3 x active input 12V, 1 x passive S0 output  
                       | or 3 x active input 12V, 1 x passive S0 output  |
| **Operating Environment** | -25 Degrees C and +60 Degrees C                                   |
| **Storage**      | -40 Degrees C and +80 Degrees C                                            |
| **Humidity**     | Relative Humidity up to 75% mean  
                       | 95% non-condensing for 30 days                                              |
| **Additional Items** | Ingress Protection IP54  
                       | Salt Spray Resistance IEC 60068-2-11                                        |
Mounting Points
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Mounting points, extended terminal cover.

For mounting use three screws with a threaded section no larger than 5mm in diameter with a screw head no smaller than 8mm in diameter.