The size of a portable hard drive, the MTR-3 transducers are slight in build but offers equal performance of up to four standard transducers, measuring and calculating AC voltage, AC current, active/reactive/apparent power, power factor, frequency, kWh, kW, THD, dynamic and maximum demands.

The range has a standard response time of less than 200 ms, with the MTR-3F offering ultra-fast response at just ≤50 ms. Modbus data refresh time is also just 50 ms with transfer data up to 115,200 bit/s. The accuracy class is 0.5 for analogue data and 0.3 for Modbus data. With configurable outputs for more than 50 parameters and a universal power supply (19-300V DC, 40-276V AC), it is possible to stock DEIF’s transducers with future installations and reconfiguration for almost any application in view.

DEIF’s MTR-3 is a cost-effective, compact and powerful solution for transducer applications. Developed for measuring single-phase and 3-phase network topologies, measurement data are available through RS485 Modbus communication. Simply connect a USB 2.0 interface for fast and easy configuration of up to four analogue outputs.

### MTR-3 Features

- Suitable for all 1- and 3-phase network topologies
- Up to 1000 V-L AC input
- Accuracy class: 0.5 or 0.3
- Up to 4 analogue outputs
- Fast response time, down to ≤ 50 ms
- Measures more than 50 parameters
- RS485 serial Modbus communication
- Fully configurable by USB, no aux. supply required
- Universal power supply of 19 to 300V DC/40 to 276V AC

<table>
<thead>
<tr>
<th>Type</th>
<th>Analogue Outputs</th>
<th>RS485 Modbus</th>
<th>Response Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTR-3-015</td>
<td>–</td>
<td>✓</td>
<td>200 ms</td>
</tr>
<tr>
<td>MTR-3F-215</td>
<td>2</td>
<td>✓</td>
<td>50 ms</td>
</tr>
<tr>
<td>MTR-3-315</td>
<td>3</td>
<td>✓</td>
<td>200 ms</td>
</tr>
<tr>
<td>MTR-3-415</td>
<td>4</td>
<td>✓</td>
<td>200 ms</td>
</tr>
</tbody>
</table>

### Blackout Preventive Function

The MTR-3F can be used for fast load reduction of thruster or other consumers.