**High Precision Power Measuring Transducer - Class 0.2**

- Active Power (Watt) Transducer for balanced or Unbalanced load
- High Precision true RMS class 0.2 measurement, not affected by any waveform distortion
- For use with 1A or 5A current transformers
- Very fast analogue output response time (30-50mS)
- 1500V Galvanic isolation

**Specifications**

<table>
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<th>Parameter</th>
<th>Description</th>
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<tbody>
<tr>
<td>Monitored Voltage</td>
<td>100-120, 200-240, 380-415 or 440-460VAC, 40-70Hz</td>
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</table>
| Optional Auxiliary | DC Voltage: 18-36 or 36-160VDC  
                 | AC voltage: 100-120, 200-240, 380-415 or 440-460VAC, 40-70Hz             |
| Current Input      | 1 or 5A C.T.                                                                |
| Analogue Output    | -10+/10, -10/+10,-20/0/+20, 0-10, 0-20, 4-20, 4,3-20, 4,5/45,20, 4/12(20)mA, max 500R or 0-10, 0.2-10V min 10kohm |
| Accuracy           | 0.2% (of FSD)                                                               |
| Optional Output    | DIN96 slave indicator panel                                                  |
| Temperature        | -20 to +70°C                                                                |
| Weight             | 0.9kgs                                                                      |
| Front protection   | IP41                                                                        |

**Description**

To be used in applications that require a very fast response, high precision monitoring of active power. Ideal for systems for regulation and control of the load on generators, motors and inverters.

The unit is a high precision class 0.2 power transducer (Watt) for balanced or unbalanced load system.

The unit has ONE very fast response analogue output signal, with amplitude proportional to the measured active power (W) level. It is recommended to use high precision current transformer of class 0.2.

The noise-immune mA output is isolated from both the C.T. and voltage inputs and auxiliary power.

A green “Supply On” LED indicates the auxiliary supply presence.

It also includes an additional RJ12 output for a DIN96 Slave Indicator (optional).

Shown below are designations for the available circuit configurations:

**ACTIVE POWER (W)**

- MC1W2C2-C0,2 - 1 element, single phase, 2 wire
- MC1W3C2-C0,2 - 1 element, 3 phase, 3 wire, balanced load
- MC2W3C2-C0,2 - 2 element, 3 phase, 3 wire, unbalanced load
- MC3W4C2-C0,2 - 3 element, 3 phase, 4 wire, unbalanced load

The unit meets IEC60092-504 and the relevant environmental and EMC tests specified in IEC60668/60992 and IEC61000/60533 respectively, to comply with the requirements of the major Classification Societies.
**ACTIVE POWER (W)**

**ORDERING EXAMPLE:**
- **Type:** MC2W3C2-C0,2
- **Aux. Supply:** 24VDC
- **System Voltage:** 690-230V
- **Input Current:** 1500/1A
- **Range:** -1500/1+1500/1kW
- **Analogue O/P:** -150/+150mA

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The MEGACON policy is one of continuous improvement, consequently equipment supplied may vary in detail from this publication.