SINGLE AC CURRENT TRANSDUCER

MECE

- **Single AC Current Transducer**
- **Precision true RMS class 0,5 measurement, not affected by any waveform distortion**
- **For use with 1A or 5A current transformers**
- **Very fast analogue output (<50mS)**
- **Independent ammeter with Full Load Current (FLC) mark on Scale**

Specifications

Auxiliary Voltage:	100-120, 200-240, 380-415 or 440-460VAC, 40-70Hz (Fuse 0,5A)
Optional Auxiliary Voltage:	24, 48 or 110VDC (Fuse 2A)
Supply tolerance:	± 10%
Power rating:	1,5VA
Current Input:	1 or 5A C.T. <0,1VA
Analogue outputs: (other on request)	Up to 20mA, max 500ohm Up to 10V, min 100kohm
Accuracy:	0,5% (of FSD)
Temperature:	-20 to +70°C
Weight:	0.64kgs
Front protection:	IP52 (IP65 optional)

Description

The digital controlled MECE provides current measuring of single phase generator systems or for heavy load monitoring. To be used in applications that require a very fast response, precision monitoring of AC current .

True RMS measurement not affected by heavily distorted waveforms (1.0%). Less than 50mS response time.

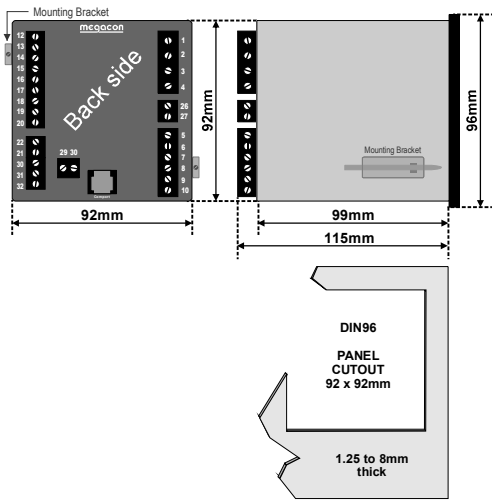
The unit has a very fast response analogue output signal, with amplitude proportional to the measured current level.

The independent class 1,5 moving iron ammeter input (term. 26 & 27) MUST be externally connected to read phase current.

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

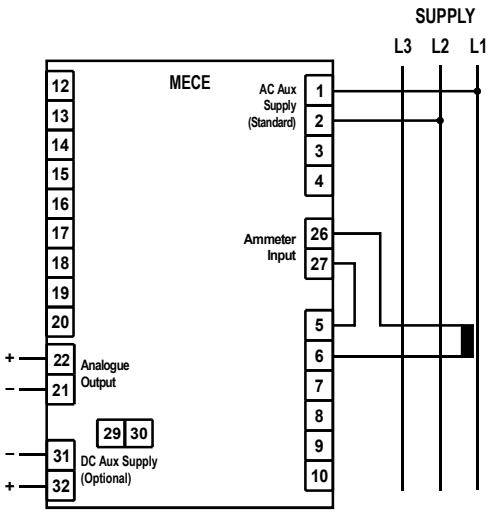
A green "Supply On" LED indicates the auxiliary supply presence.

Dimensions



A wide range of analogue outputs are available (one output only at a time):

mA	V
0-10mA	0-10V
0-20mA	0,2-10V
4-20mA	
4,3-20mA	



The unit meets EN 61010-1 Cat. III, Pollution degree 2 and the relevant environmental and EMC tests specified in EN 61326-2-4 to comply with the requirements of the major Classification Societies.

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

ORDERING EXAMPLE:

Type:	MECE
Aux. Supply:	200-240V
Input Current:	500/5A
Range:	0-500/1000A
Analogue O/P:	4-20mA

IS range

CE

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