



- Single Phase Frequency Transducer
- Precision true RMS class 0,5 measurement, not affected by any waveform distortion
- Ranges 45-55Hz, 55-65Hz or 45-65Hz
- Very fast analogue output (<50mS)

## 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)
Voltage Input Range:	110-120, 200-240, 380-415 or 440-460VAC (other range on request)
Frequency scale:	45-55Hz, 55-65Hz or 45-65Hz
Supply tolerance:	± 10%
Power rating:	1,5VA
Analogue outputs:	Up to 20mA, max 500ohm (other on request) Up to 10V, min 100kohm
Accuracy:	0,5%
Temperature:	-20 to +70°C
Weight:	0.64kgs
Front protection:	IP52 (IP65 optional)

## Description

MPFE is to be used in system that requires fast response and monitoring of frequency. Ideal for regulation and control system that controls the frequency on generators, motors and inverters.

The MPFE is a frequency measuring transducer for AC voltage input.

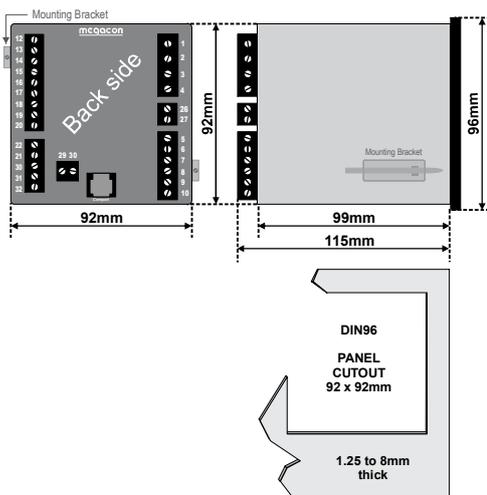
The unit has a very fast response analogue output signal, proportional to the measured frequency level.

Note that the instrument needle is a class 1,5 moving coil.

The analogue output is isolated from voltage inputs and auxiliary power.

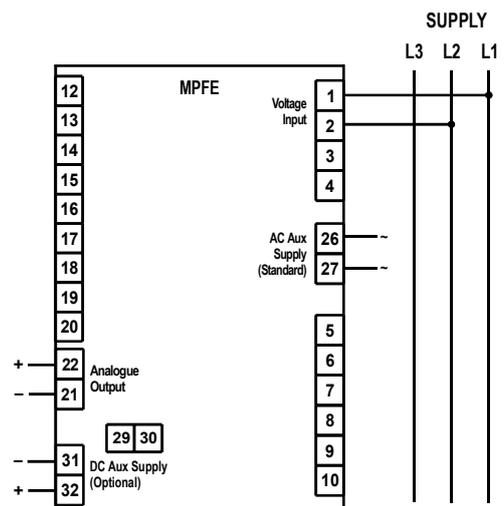
A green "Supply On" LED indicates the auxiliary supply presence.

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

### ORDERING EXAMPLE:

Type: MPFE  
 Aux. Supply: 200-240VAC  
 Input Voltage: 230V  
 Range: 45-55Hz  
 Analogue O/P: 4-20mA



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[www.megacon.com](http://www.megacon.com)  
 ELECTRONIC CONTROL AND INSTRUMENTATION

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