

# SELF-POWERED MEASURE TRANSMITTER

# TA



Measurement of sinusoidal AC signals

Transmitter self-powered by the measure

Transforming of AC current into a standardized 0-20 mA or 0-10 mA signal.

Average measure calibrated in RMS value.

Isolation between input/output: 2500V-50Hz-1min

This little economical transmitter which does not require power supply allows the processing of intensity measures. It is well adapted to the strains of industrial environments.

## Environment

### INPUTS

- **Nominal value** : 1 or 5 A  
(specify on order) (others: consult)
- **Frequency** : 45 Hz to 60 Hz
- **Permanent overload** : 2 In
- **Instant overload** : 10 In / 10 s

- **Drawn power** : 2 VA

### OUTPUT

- **Nominal value** : 0-20 mA or 0-10 mA  
(specify on order)
- **Load resistance** :  $L_r < 1 \text{ k}\Omega$  for  $S = 0-20\text{mA}$   
 $L_r < 2 \text{ k}\Omega$  for  $S = 0-10\text{mA}$
- **Limit value** : 30 mA for  $S = 0-20\text{mA}$   
15 mA for  $S = 0-10\text{mA}$
- **Lr influence** : 0,03 % per 100  $\Omega$
- **Ripple rate** : 0.5 %
- **Accuracy rating** : 0.5 %
- **Response time** : 100 ms  
(other response times: consult)

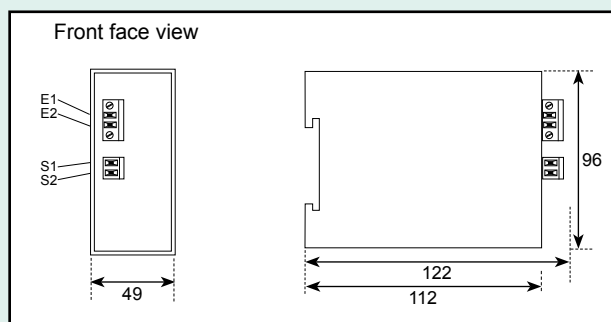
- **Nominal ambient temperature  $T_n$**  : 23°C
- **Operating temperature** : -10 to +60°C
- **Coefficient of the temperature** : 0.025 %/°C
- **Storage temperature** : -30 to +80 °C

CE marking

Conform with the standards IEC 61000-6-4 on rejections and IEC 61000-6-2 immunity (industrial environment)  
IEC 61000-4-2 level 3, IEC 61000-4-3 level 3,  
IEC 61000-4-4 level 4, IEC 61000-4-6 level 3.

## Introduction

**Dimensions:** (H x L x D) 96 x 49 x 112 mm  
(D = 122, with terminals)

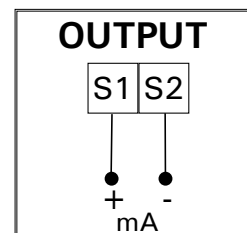
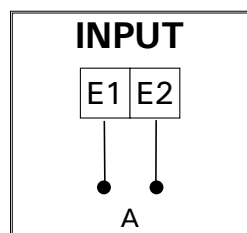


**Protection** : Case / terminals: IP 20

**Housing:** Self-extinguishing case of black UL94VO ABS  
For latching on symmetrical DIN rail  
Plug-off connectors for screwed connections (2.5mm<sup>2</sup>, flexible or rigid)

**Weight** : 300g (with packaging)

## Connectings



e-mail : [info@ardetem.com](mailto:info@ardetem.com)  
<http://www.ardetem.com>

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