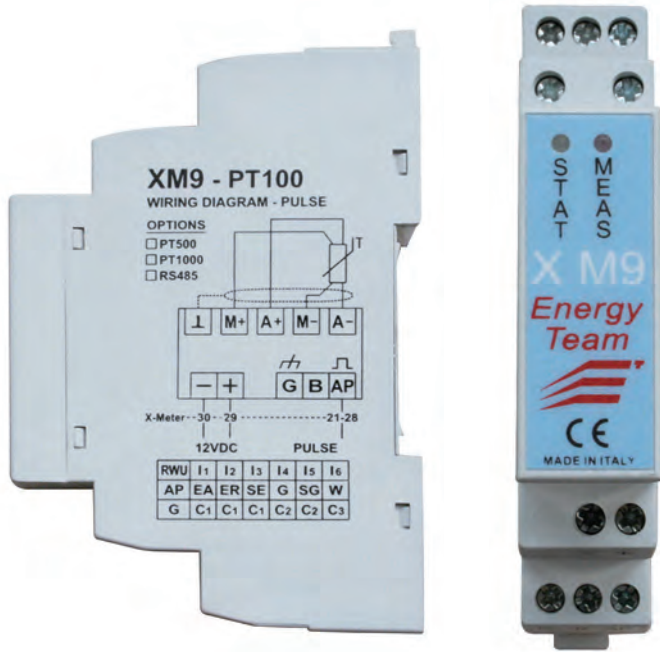


# XM9

## One DIN module for temperature acquisition from probes Pt100/500/1000



### Measurement accuracy

±0.5°C tolerance guaranteed on output pulses measurement within -40°C and 150°C. The highest precision is obtained through 4 wire shielded cable resistance temperature detectors.

### Applications

When added to X-Meter/RWU, XM8 allows acquiring precise and reliable room and production Temperature for both production or environmental monitoring.

Power supply	12 Vdc
Consumption	0.85 W / 71 mA
Precision	0.5 % del F.S.
Measurement range	-40 +150 °C
Galvanic Ins. inputs/output imp.	2.5 KV
Screw terminal board Max cable dim.	1.5 sq.mm.
No. Configurations	3
Type of pulsed output	0/5 Hz
Weight	60 gr
Width	17.5 mm
Height	60 mm
Protection rating	IP20
Container type	1 Mod. DIN

XM9 collects temperature data using PT100, PT500 or PT1000 probes and converts the values in pulsed output with 0 to 5Hz frequency. The minimum value on the measurement scale will imply a 0Hz (0 pulses per second) output pulse frequency while the full scale will mean a 5 Hz (5 pulses per second) output pulse frequency. The probes that can be used may be 2, 3 or 4 wires, even with shielded cable. There also is a 2.5 KV galvanic isolation between the inputs and the other connections.

*IMPORTANT: The range and type of measurement are defined during the order phase. Any subsequent variations will require recalibration at our laboratory.*

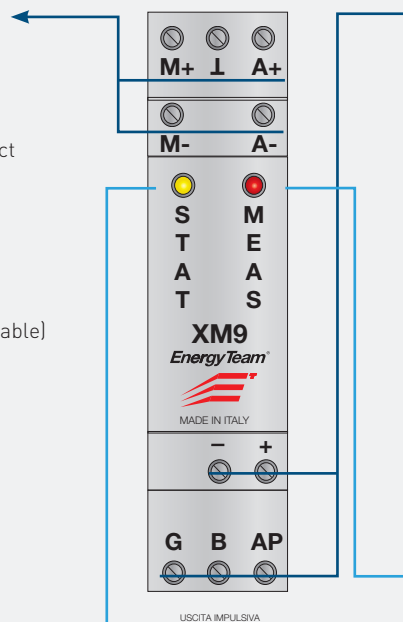
#### Notes for input connection

- A+** First power input PT, to connect to the red wire on the PT (or one of the two red wires on the PT if 2 are available).
- M+** First PT measurement input, to connect to the second red wire on the PT (if 2 red wires are available) or to attach with the "A+" terminal (if only one red wire is available)
- A-** Second PT power input, to connect to the white wire on the PT (or one of the two white wires on the PT if 2 are available)
- M-** Second PT measurement input to connect to the second white wire on the PT (if 2 white wires are available) or to attach with terminal "A-" (if only one white wire is available)
- L** Ground terminal for connecting the shielding.

#### Status

The yellow "STAT" light comes on with every impulse received from the analogic source.

When the yellow and red LEDs are lit, there is an anomaly.



#### Notes for connecting power supply and outputs

- +** Power supply 12 Vcc  
The X-Meter device can supply up to 2 modules (XM8-9-10) on terminals 29 (+) and 30 (-).
- AP** Pulsed output positive terminal  
> for X-Meter terminals from 21 to 28  
> for RWU terminals EA-ER-SE-G SG-W
- G** Pulsed output negative terminal\*  
> for X-Meter, terminal 30  
> for RWU terminals C1/2/3

Type of cable to use:  
> single pole cable, max 1.5mm<sup>2</sup>  
> distance max 500 meters

\* connected inside the terminal

#### Status

The red "MEAS" LED is steady when the input measurement exceeds the range. When the yellow and red LEDs are lit, there is an anomaly.