

XM 21

Photovoltaic plant direct current reading module



The XM21 device reads a continuous analogic current signal from a string to converts the value into a pulsed 0-5 Hz signal with the standard for input signals for XRWU GOLD/ XMETER plat-forms.

Guaranteed precision of 0.5% of full scale

A special feature of this device, despite of its extremely small size with a single DIN module, is also the internal galvanic insulation equivalent to 4kV between the measuring field circuit and the pulsed output circuit.

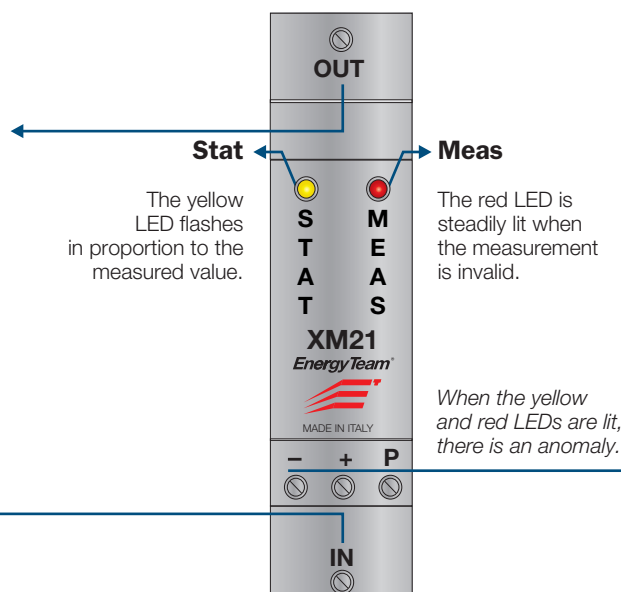
Technical features

Power supply	8 ... 24 Vdc
Consumption	1.2 W
Precision	0.5 % of full scale
Visual indicators	over range and pulsed output
T° Operating range	-20 ... +70 °C
Output field galvanic insulation	4 kVdc
Max connection cable section	1.5 mm ²
Max section of string cables	10 mm ²
Max measured range	0 ... +10 Adc
Pulsed output range	0 ... 5.0 Hz
Weight	150 g
Module width	17.5 mm
Module height	60 mm
Protection rating	IP20
Container type	1 DIN module

Connection notes

OUT Terminal for outgoing current (to connection bar).

IN Terminal for incoming current (from the string).



The yellow LED flashes in proportion to the measured value.

The red LED is steadily lit when the measurement is invalid.

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

Notes for connection of power supply and outputs

- + Power supply 12 Vcc. Wire to the CM2 Solar \3(+) and 12(-) terminal or to terminal 29(+) 30(-) on the X-Meter.
- P** Pulsed output. Wire to one of the X-Meter inputs (21 - 28).