

XM 20

Photovoltaic plant continuous voltage reading module



The XM20 device reads a continuous analogical voltage signal up to 1000VDC and converts it into a 0-5 Hz pulsed signal compatible with the standard input signals for CM2 Solar or XRWU GOLD/X-Meter. Guaranteed precision of 0.5% of full scale.

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

Power supply	8 to 24 Vdc
Consumption	0.85 W, 71 mA
Precision	0.5 % of full scale
Visual indicators	over range and pulsed output
T° Operating range	-20 to +70 °C
Output field galvanic insulation	4 kVdc
Max connection cable section	1.5 mm ²
Max measured range	0 to +1000 Vdc
Pulsed output range	0 to 5.0 Hz
Weight	60 g
Module width	17.5 mm
Module height	60 mm
Protection rating	IP20
Container type	1 DIN module

Connection notes

- M-** Terminal to connect to the negative pole of the connection bar.
- M+** Terminal to connect to the positive pole of the connection bar.

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 CM2 Solar (14) input or to one of the inputs (21 - 28) on the X-Meter.