

XM8

One DIN module for analog signal acquisition

XM8 devices read analogic current or voltage signal to convert it into pulsed output with a 0 to 5Hz frequency. 0.5% precision guaranteed on the full scale and 2.5 KV galvanic isolation between the inputs and the other connections. XM8 allows acquiring one of the following signals:

Type	Range	Type	Range
Voltage	0V to +1V	Current	+4 to +20mA
Voltage	0 to +5V	Current	0 to +20mA
Voltage	0V to +10V	Current	-20 to +20mA
Voltage	-1V to +1V	<i>IMPORTANT: The range and type of measurement are defined during the order phase. Any subsequent variations will require recalibration at our laboratory</i>	
Voltage	-5V to 5V		
Voltage	-10V to +10V		

Power supply	12 Vdc
Consumption	0.85 W / 71 mA
Precision	0.5 % del F.S.
Operating temp range	-10+50 °C
Galvanic Ins. inputs/output imp.	2.5 KV
Screw terminal board Max	1.5 sq.mm.
Max voltage applicable at inputs	50 Vdc
Max current applicable at inputs	100 mA
No. T and C input configurations	9
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



Applications

When added to the X-Meter/RWU, XM8 allows acquiring analogic measurements coming from meters, Temperature values, and other sensors used in the industrial sector for production or environmental monitoring.

Notes for input connection

- M-** This is the negative input and is connected to the negative output of the source to be measured.
- M+** This is the positive input and is connected to the positive output of the source to be measured.
- ⊥** Ground terminal connecting the shielding.

Type of cable to use:
 > 9841 Belden cable
 > one pair plus 18 AWG shielding
 > maximum length 10 meters

Stati

The yellow "STAT" light comes on with every pulse 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 1.5mm²
 > max distance 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

