



STM-SP

STM-SP, Module for positive current measurement, 25 ADC,

Code: E82SP0. (CONSULTAR DISPONIBILIDAD)

Description

STM is smart analyser that supports up to 32 channels. Designed specifically to supervise photovoltaic strings, the **STM** allows for the maximum performance of the photovoltaic array thanks to its high measuring accuracy.

The solution consists of different modules:

STM-C: Smart module that is able to calculate powers, compare string performances, detect reverse currents, etc. It also features:

- One 1,500 VDC input
- Four voltage-free digital inputs
- One analogue input 0/4...20 mA
- One input for Pt100 or Pt1000
- A LoRa wireless communications module

STM-S: Current measurement module with 4 measurement channels of up to 42 A each. Up to 8

STM-S modules can be connected to obtain 32 channels.

Its modularity, flexibility of installation, smart characteristics and robustness make the **STM** the perfect piece of equipment to supervise the correct operation of the photovoltaic array.

Application

Supervision of photovoltaic strings in solar farms and self-consumption installations



STM-SP

Analyser for photovoltaic strings

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Specifications

DC power supply

Consumption	20 mA / 5 Vdc
Nominal voltage	5 Vdc \pm 10 % (self-powered from STM-C)

Environmental characteristics

Relative humidity (without condensation)	5 ... 95 %
Working temperature	-20...+70°C (continuous) -20...+80°C (peak)

Mechanical characteristics

Fastening	DIN rail
Weight (kg)	0,164

Current measurement circuit

Impedance	2 m Ω
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Standards

Electrical safety, Installation category	Category II Double-insulated electric shock protection class II
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The minimum configuration of the STM solution is made up of an STM-C module and an STM-S module



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Dimensions



Connections

