



## LM50-TCP+

LM50-TCP+, Impulse centraliser

Code: M31566. DESCATALOGADO

> Protocol: Modbus/TCP

> Módules: 8

> Communications: RS-485 > Digital inputs: 50

#### Description

Impulse centralizing unit, with up to 50 devices. The inputs of the centralizing unit are optocoupled to read the said impulses and it also has a memory to store up to 32 bits of data. It has two communications ports:

- o RS-485 Port: It can be used to connect up to 31 CIRCUTOR units that can be monitored with the PowerStudio software. This port acts as a gateway from Ethernet to RS-485
- o Ethernet 10Base / 100Base TX Port that can be used by the **PowerStudio** energy management software to carry out the read and write operations of the 50 inputs of the LM, and all other units in the RS-485 network.

### **Application**

- o Reading of any device that emits impulses (up to 50 devices). These parameters are useful for generating bills or for specifying a price/unit cost
- o Integration with other consumption, such as: gas, water, etc. or simply to track the energy consumption of 50 meters
- o As an alarm centre: taking action based on the status of the device outputs, or triggering an alarm following a change in status







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## **Specifications**

C power supply	
Consumption	58 VA
Frequency	47 63 Hz
Nominal voltage	85265 VAC / 120374 VDC
Mechanical characteristics	
Size (mm) width x height x depth	158 x 90 x 59 (mm)
Envelope	Plastic UL 94 - V0 self-extinguishing
Fastening	DIN rail
Weight (kg)	0,264
Environmental characteristics	
Protection class	IP 20
Relative humidity (without condensation)	595%
Working temperature	-10 +60 °C
Standards	
Certifications	CE, UL, VDE
Electrical safety, Maximum height (m)	2000
Electrical safety, Installation category	CAT III 300V / 520V, IEC 61010
Standards	IEC 60664, VDE 0110, UL 94, EN61010-1, EN55011, EN 61000-4-2, EN 61000-4-3, EN 61000-4-11, EN 61000-6-4, EN 61000-6-2, EN 61000-6-1, EN 61000-6-3, EN 61000-4-5
Communication Network	
Connection mechanism	RJ-45
Technology / Type	Ethernet 10BaseT/100BaseTX autodetectable
Electrical safety	
Insulation	Double-insulated electric shock protection class II (IEC 61010-1)
Digital inputs	
Quantity	50
Туре	Free of optoisolated voltage
Minimum signal width	tON/tOFF min.: 50 ms

<sup>(\*)</sup> Digital inputs (logic 0 / 1) or energy impulses

