

LM50-TCP+

LM50-TCP+, Impulse centraliser

Code: M31566. **CONSULTAR DISPONIBILIDAD**

> Protocol: Modbus TCP/IP

> 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:

- 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
- 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

- 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
- Integration with other consumption, such as: gas, water, etc. or simply to track the energy consumption of 50 meters
- 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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Impulse centralizing unit

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Specifications

AC power supply

Consumption	5...8 VA
Frequency	47 ... 63 Hz
Nominal voltage	85...265 VAC / 120...374 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)	5...95%
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, 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 / Interface	Ethernet 10BaseT/100BaseTX autodetectable

Electrical safety

Insulation	Double-insulated electric shock protection class II (IEC 61010-1)

Digital inputs

Quantity	50
Type	Free of optoisolated voltage
Minimum signal width	tON/tOFF min.: 50 ms
Maximum short-circuit current	50 mA

(*) Digital inputs (logic 0 / 1) or energy impulses