



TIS Energy Meter 1 Phase

Model: MET-EN-1PH

Data Sheet Rev 1.1



Safety instructions

Electrical equipment may only be installed and fitted by electrically skilled persons. Failure to observe the instructions may cause damage to the device and other hazards. These instructions are an integral part of the product, and must remain with the end customer.

Basic information

This device is a product of the TIS system. It is din rail Energy meter 1 phase, Measures 4 TARIFFS' kWh/time, Bi-directional measurement IMP & EXP, Better than Class 1 / B accuracy, technical knowledge obtained in TIS training courses is a prerequisite to proper understanding how to install and test this device

Intended use

Used to measure single-phase like residential, utility and Industrial application, current, cost per time that can show and run in all TIS devices.

Bi-directional energy measurement makes the unit a good choice for solar PV energy metering.

Product characteristics

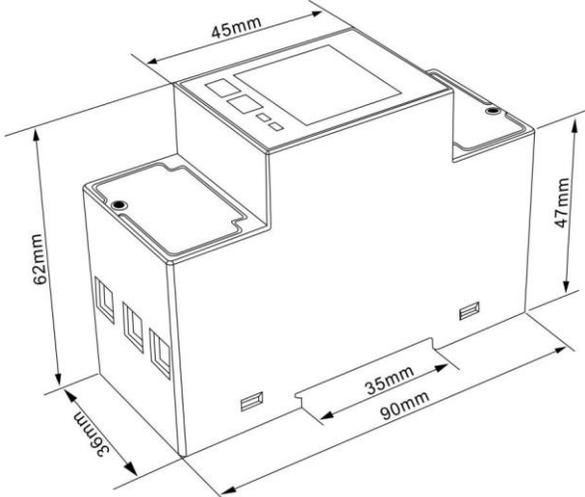
Specifications	Voltage AC (Un) Base Current (Ib) Max. Current (Imax) Mini Current (Imin) Power consumption Frequency	176-276V / 80-140V (optional) 10 A 100 A 0.5 A <2W/10VA 50/60Hz(±10%)
Protection	Short Output Protection	Output will turn off in case of short connection
Display	LCD Max. Reading	LCD with blue backlit 99999.99kWh
Mounting	Din Rail	Standard 35 mm Din rail
Connection terminal	Load and Power Data / bus	Screw terminal 0,5...6mm ² Screw terminal 0,2...1mm ²
Weight	Without packaging	0.25 KG
Dimensions	Width x length x height	36mm x 62mm x 90mm
Housing	Materials Casing color IP rating	self-extinguishing UL94V-0 Black IP 51 indoor
Environment	Operation Temperature Storage Temperature Transport Temperature Air humidity Installation category Mechanical Environment Electromagnetic environment Degree of pollution	-25...55°C -40...70°C -40...70°C <95% non-condensing CAT II M1 E2 2



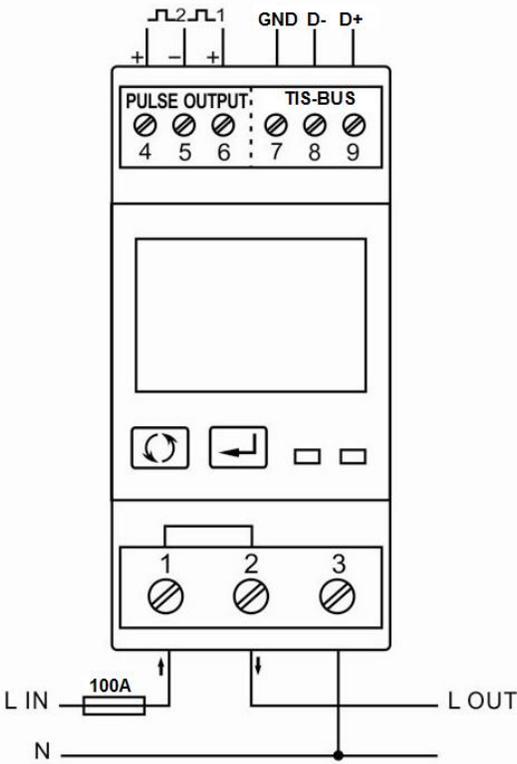
RoHS



Dimensions



Connection Diagram



Display

Item	Descriptions
1	7 digits used to display measured values or RTC
2	Total value
3	Tariff information
4	Import information, Export information
5	Max. Demand for Power or Current
6	Pulse output 1 and Pulse output 2
7	Measurement units
8	PF = power factor Hz = frequency
9	Bar display of Power
10	Communication indicator
11	Time information
12	Low battery warning
13	Lock symbol



Warranty

We provide a warranty as provided for by law.

Hologram warranty seal and product serial number is provided by each device.

Please send the description of the defect with Product S/N to our dealer network.

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www.tissmarthome.com