

SM302

Three Phase Smart Electricity Meter

The meter is designed to measure active and reactive electrical energy in three-phase alternating current circuits with a voltage of 330/400 V and a frequency of 50 Hz and to organize multi-tariffelectricity metering.

The meter is designed for use in places with additional protection from environmental influences: indoors or in a cabinet, in a dashboard.



Key Features

Built-in communication interfaces

- Radio (RF433),
- PLC (NERO-PLC),
- GSM/LTE, RS-485x2,
- OPTOPORT

Dual current control

Measurement by phase and neutral allows you to detect theft and eliminates unaccounted for consumption.

Protection against interference

Recording of the opening of the case, magnetic and radio effects with recording of all events.

Advanced multi-tariff accounting

Up to 8 tariffs with flexible schedule settings by day, season, and zone of the day.

Load management

The built-in relay allows you to limit the power and remotely disconnect the load.

Smart network control

Real-time measurement of voltage, current, power and power factor.

Analytics

Storage of detailed consumption profiles at intervals from 1 to 60 minutes.

Event Log

Registration of more than 600 events: accidents, interventions, exceedances and failures.

Working in harsh conditions

Stable operation at temperatures from -40 to +70°C.

Flexible configuration

Configure parameters, tariffs, limits, and scenarios to meet the requirements of the facility.

Parameter Value

	Length (L)	mm	241
	Width (W)	mm	175,5
	Height (H)	mm	77
	Weight	kg	1,9

Technical Specifications

Accuracy class for active energy/reactive energy	—	0,5S/1; 0,5/1
Rated voltage	V	3x230/400
Rated frequency of the AC network	Hz	50
Basic (maximum current)	A	5 (10) 5 (80) 5 (100)
Starting current	ma	20 and 5
Active power consumption	Vt	15 (3)
The speed of exchange through the optical port	bit/s	9600
Maximum number of tariffs for active energy/reactive energy	—	8/4
Data retention time	years	no more than 30
Initial launch time	c	no more than 5
Operating conditions: - ambient temperature - relative humidity	°C %	up -40 to +70 up 30 to 95
Normal measurement conditions: - ambient temperature - relative humidity	°C %	up +20 to +30 up 30 to 80
Average service life	years	30
Average operating time per failure	hours	320000
Degree of protection	—	IP51