

Sagemcom

T310

New Generation of Industrial Smart Meter
Semi-Direct & Indirect, 3 or 4 Wires




SICONIA[®]
Elec

T310 Products presentation

The T310 Smart Meter is a CT and CTVT indirect three phase energy meter for active and reactive energies.

ELECTRICAL CHARACTERISTICS				
Current	Nominal value	I _{nom} = 1A or 5A		EN 50470-1
	Maximum current	I _{max} = 6A or 10A		
Voltage	Type of network supported & Voltage range	3P3W 3x100V up to 3x400V		
		3P4W 3x57.7/100V up to 3x240/415V		
Frequency	50-60Hz			EN 50470
Energy accuracy	Active imported and exported energy	Class 2, 1, 0.5S or 0.2S Class A, B or C		IEC 62052-11, IEC 62053-22 EN 50470-1 & EN 50470-3
	Reactive 4 quadrants energy	Class 2, 1, 0.5S		EN 62053-24
MECHANICAL & ENVIRONMENTAL				50470-1
Mechanic	Weight	1,65 kg		Dimension
	300 X 180 X 80.5 mm			
Fixation	8 fixation configuration possibilities			
Temperature range	Specified operating range	-40°C ... +70°C		
Non-condensing humidity	Specified operating range	≤ 95% @ +40°C		
Meter protective class	IP class	IP54		IEC 60529
	Protective class	Class II		IEC 61140 : 2016
	Fire protective class	V0		UL94
MEASUREMENT (FREQUENCY, VOLTAGE, CURRENT, POWER, POWER FACTOR...)				
Main available network monitoring	Instantaneous values	Transient	Angles	Disturbance
	Voltage cuts	Sags and swells	Unbalance	Harmonic & THD
Configuration	Measurement can be realised with only 2 phases or on auxiliary battery			
ANTI-TAMPER FEATURES				
Alarms	Top Cover opening detection		Terminal cover opening detection	
	Neutral current measurement		Magnetic field Detection with and without power	
Sealings	Sealing screws on the covers		Sealing of the top cover by ultrasonic welding	
RELIABILITY				
Lifetime	15 years	0.50% Maximum year failure rate		
FUNCTIONALITIES				
Functionalities	Light sensor, High performance λ/2 antenna			

DIFFERENT POSSIBLE CONFIGURATIONS	
T310 RS-232 2G/3G/4G: CONFIGURATION AVAILABLE	
Interfaces / specific functionalities	Optical port, RS-232, 5 contact or pulse outputs, 2 contact or pulse inputs, AC/DC auxiliary supply
T310 P1 2G/NB IoT: CONFIGURATION AVAILABLE	
Interfaces / specific functionalities	Optical port, P1 Port, Last Gasp & First Breath
T310 RS-485 2G/3G/4G: CONFIGURATIONS ON REQUEST	
Interfaces / specific functionalities	Optical port, 1 powered RS-485 ports with RJ45 connector, 1 RS-485 port with 2 RJ12 connectors, 1 auxiliary relay, 1 digital input, 1 pulse output, 2 push buttons (one sealable), Extractible Battery, Auto-diagnostic of the meter functionalities

OPTIONS ON REQUEST		
Hardware & mechanical functionalities	Extension cable to allow connexion to external antenna, Transparent Terminal cover, Auxiliary power supply, Customer Port Latch to access to the port without breaking seals	
Connectivity possibilities	Optional Integrated PLC modem :	Technology
		PRIME or G3
	Band	Cenelec or FCC

All rights reserved. The information and specifications included are subject to change without prior notice. Sagemcom Energy & Telecom tries to ensure that all information in this document is correct, but does not accept liability for error or omission. Non contractual document. All trademarks are registered by their respective owners. Simplified joint stock company - Capital 25 605 811,80 Euros - 518 250 337 RCS Nanterre. 11/2021

Sagemcom Energy & Telecom SAS

Headquarters: 250, route de l'Empereur

92848 Rueil-Malmaison Cedex - FRANCE

Tel : +33 (0)1 57 61 10 00 - Fax : +33 (0)1 57 61 10 01

www.sagemcom.com

Sagemcom