

Sagemcom

T310

New Generation of Industrial Smart Meter
CT & CTVT 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	20 years		0.50% MAXIMUM YEAR FAILURE RATE		
FUNCTIONALITIES					
Functionalities	Qualimetry: Class S or Class A Power Quality (IEC 61000-4-30), 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, 2 auxiliary relays, 1 digital input
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 & mecanical 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 modular modem:	PLC modem	PRIME or G3 (Cenelec or FCC)
		Ethernet modem	IEEE 802.3 Standard

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