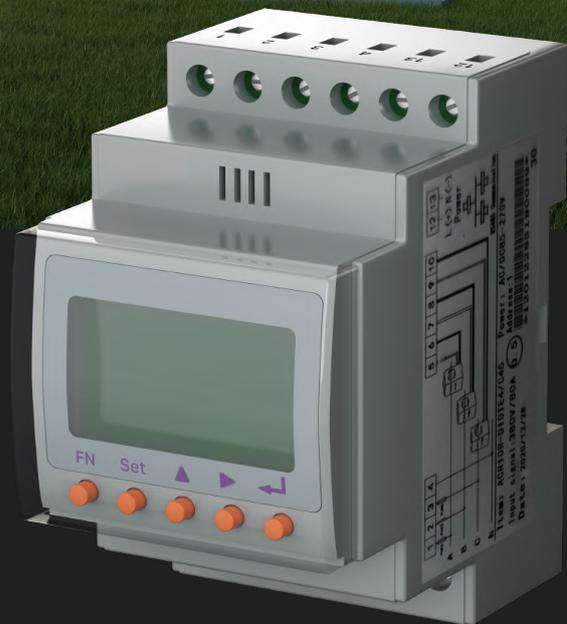




Wattsonic Smart Meter

-  No need to remove primary bus
-  Simple and convenient wiring
-  Safe construction
-  Saving transformation cost
-  Improving efficiency



The rail-type harmonic meter with external Rogowski coil and split transformer is suitable for power monitoring of distributed photovoltaic grid-connected cabinets, power demand side management and other applications. Integrate the measurement of all power parameters (such as single-phase or three-phase current, voltage, active power, reactive power, apparent power, frequency, power factor, etc.), multi-rate electric energy metering, four-quadrant electric energy metering, harmonic analysis And power monitoring and assessment management.

	WTS-D16-C80A	WTS-D24-C200A	WTS-D36-C300A	WTS-D110-C1000A	WTS-D120-C2000A
					
Open type transformer model	 D16-Φ 16mm 120A	 D24-Φ 24mm 200A	 D36-Φ 36mm 300A		
Roche coil model				 D110-Φ 110mm 1000A	 D120-Φ 120mm 2000A

Technical parameter		Value
Input	Network	3-phase 3-wire,3-phase 4 wire
	Frequency	45~65Hz
	Voltage	Rating: AC 57.7V/100V(100V), 220V/380V(400V)
		Overload:1.2-fold rating(continuous),2-fold rating/1second Consumption:<0.2VA
Current	Rating: 80A, 120A, 200A, etc. (See specific product specifications, special parameters can be customized)	
	Overload:1.2-fold rating(continuous);10-fold rating/1 second	
	Consumption:< 0.2VA	
Output	Electric energy	Output mode: Open-collector photocoupler pulse, two way output
		Three-phase Pulse constant:4000, 8000imp/kWh
	Communication	RS485 interface, Modbus-RTU Protocol
	Display mode	LCD
Function	Switching	Input
		Output
	Measuring accuracy	Frequency 0.05Hz, reactive electric energy 1 class, other 0.5 class
	Power supply	AC85~265V or DC100~350V; DC24V(10%); DC48V(10%) Consumption ≤10VA
Safty	Power-frequency withstand voltage	Power frequency withstand voltage between Auxiliary power and switch volume output and current input and voltage input and communication and pulse output and switch volume input terminal is AC2kV 1min: Power frequency withstand voltage between auxiliary power and switch volume output and current input voltage input terminal is AC 2kV/1min: Power frequency withstand voltage between communication and pulse output and switch volume input terminal is AC 1kV/1min;
	Insulation resistance	Input, Output terminal to housing>100MΩ
	Environment	Working temperature: -10℃ ~+55℃ ; Storage temperature: -20℃~+70℃; Relative humidity: 5%~95%; No condensation; Altitude: ≤2500m

* Wattsonic reserves the right to modify the technical datasheet and appearance of the product in the catalogue without prior advice to the users.