

QMS-SP1 Single Phase Electricity Meter

IP54	Ingress protection IP54 waterproof
	Up to 8 years battery life
	Remote connection/disconnection
STS	STS Standard
	Real-time clock
TOU	Utilities can set TOU price into meter on request
	Anti-Tamper Magnetic field protection



QMS-SP1 Single Phase Electricity Meter is an STS standard compliant, keypad type prepaid electricity meter. It can be top up with Quick Meters software with 20 digits token. Once the credit becomes zero, the relay will be cut off automatically. The integrated keypad of single phase electricity meter is offered to enter recharge TOKEN and check the data like Residual Credit, Total Purchased Credit and Total Consumption by inputting the short code.

Payment Method Supported

- * Mpesa
- * Airtel Money
- * Mtn Momo
- * Mixx (Tigo Pesa)
- * Waafi (Evc Plus, Sahal, Zaad, Jeeb)
- * E-Dahab
- * Telebirr
- * Premier wallet, Tplus, E-Besa and more

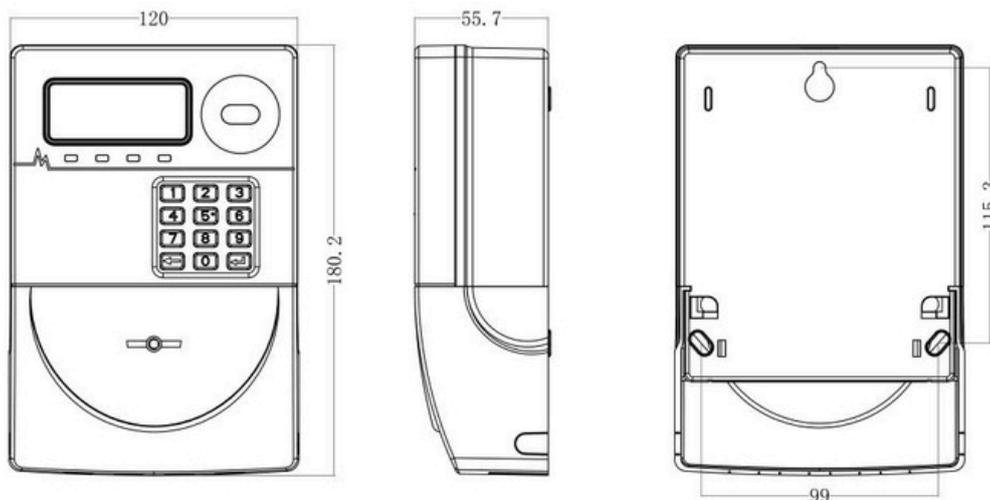
Electrical Parameters

Nominal Voltage	230V
Working Voltage Range	70%~120%Un
Nominal Frequency	50-60Hz (50±5%/2%)
Basic Current (Ib)	5A
Maximum Current (Imax)	80A
Starting Current (Ist)	20mA
Active Energy Constant	1000imp/kWh
Active Energy Accuracy	Class 1.0
Reactive Energy Accuracy	<2W <8VA
Power Consumption in Voltage Circuit	<1VA
Operation Temperature Range	-25°C-70°C
Temperature Range	-40°C-85°C

Electric Magnetic Compatibility

AC Insulation Strength	4kV at 50Hz during 1min	
Impulse voltage 1.2/50 us mains connections	8kV	
ElectrostaticDischarges	Contact discharge	8kV
	Air discharge	16kV
ElectromagneticRFField	27MHz-500MHz	10V/m
	100KHz-1GHz	30V/m
Fast transient burst	4kV	
test Protection	Class II	

Meter Dimension



Factory Price

- Single Phase = \$18

Meter Weight

- Single Phase - 0.5kg

Debt Collection

If you owe customers money from before the smart meter was installed, you can recover it by deducting a small percentage from each transaction. The system allows you to set the percentage and track the debt until it is fully collected.

Liquid Display



Compliance with Standard

- * ISO 9001; ISO 14001
- * STS Certificated

Application:

Counting the electricity consumption of users over a period of time.

Data Storage

- * Cloud Storage
- * Local Server Storage (Per Client Request)

Anti-Tamper Fuctions

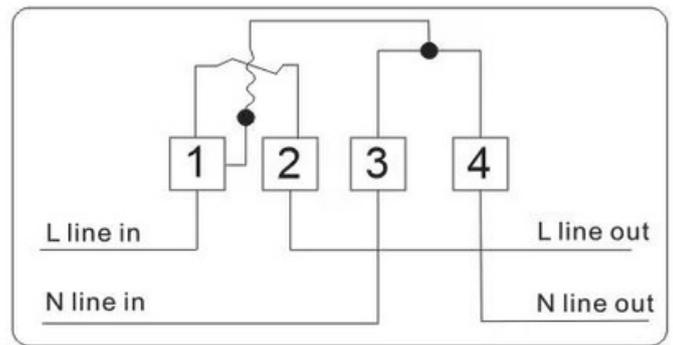
Meter relay will be cut off automatically after detection of magnetic field and open cover event.

Information Inquiry

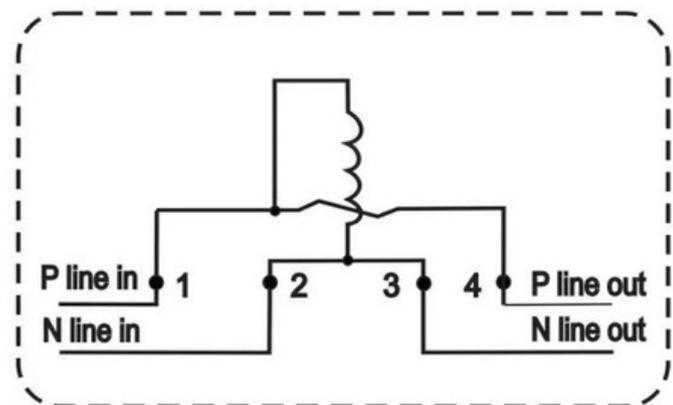
Consumer could check the data like Credit Remain, Total Purchased and Total Credit by inputting the short code.

Wiring Diagrams:

1. Sequential Wiring



2. Sequential Wiring



We Provide

- * Mobile Payment
- * USSD Service
- * Sms Service and Software