SUNTRONT TECH

FQ Series Prepaid Gas Meter

Make Your Smart Life With Us

http://www.suntront.com

Special Features

+ Prepaid, contactless IC card patent technique, water proof and anti-attack.

+ Inside circuit is sealed with high performance sealant, can work normally even under humid environment.

+ Powered by 3 pieces of AAA dry alkaline batteries and automatically close valve when change batteries.

+ LCD display.

+ Compact size, light weight, high sensitivity and accuracy.

+ High metrological performance, low pressure loss and steady operation.

+ Moving parts are self-lubricating materials with lower friction, which can prolong the service life of meter.

+ Whole meter design against illegal access.

+ High quality internal plastic and stainless metal components, internal and external protection with powder painting guarantees long service life.

Main Features

+ Credit transfer, configuration, tariffs and data feedback for IC card

+ Alarm for batteries removing and lower battery capacity

+ Replaceable 3 pieces of common dry AAA batteries

+ LCD display, customer related data scrolls across the screen when IC card is swiped on the induction area of gas meter

+ Real clock and calendar (optional)

+ Network charge or independent vending points

+ Valve status-open/close

+ Lower battery warning

+ Fault codes

+Tariff status (optional)

System Configuration

FQ Intelligent Gas Meter

Contactless IC Card Smart Meter
User Card

MRW

MRW-S

Smart gas meter system contains four parts:

1. Prepaid Gas Meter

SUNTRONT prepaid smart gas meter and supporting smart meter management system provide a new way of gas management. It provides many benefits to both gas companies and end users, including guaranteed payment and arrears collection, extensive management tools through detailed report functionality and the ability for customers to manage their consumption more easily.

2. IC Card

It adopts contactless IC card patent technique and one meter used for only one household. Its components and connecting parts all adopt non-toxic and non-pollution high quality materials, which will resist corrosion from water and air. Internal circuit is sealed by epoxy resin completely, which is waterproof.

3. IC Card Reader-Writer

MRW can work independently, and can also connect with computer by COM interface.

MRW-S shall connect with computer by USB interface which is portable and easy to operate.

4. Smart Management Software

Smart Management Software has friendly interface and is easy to learn and operate. It can support all SUNTRONT smart prepaid meters with many functions, such as create file, open account, deal with daily business, sale inquiry, multi inquiry, report summary, read/write card, input/collect data, print bill and check blacklist, etc.

Innovative and customized solutions provided.
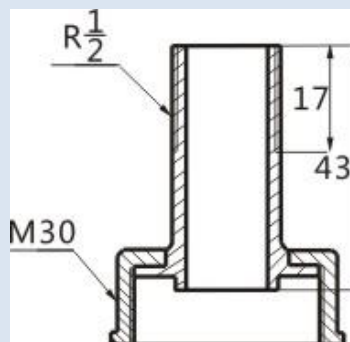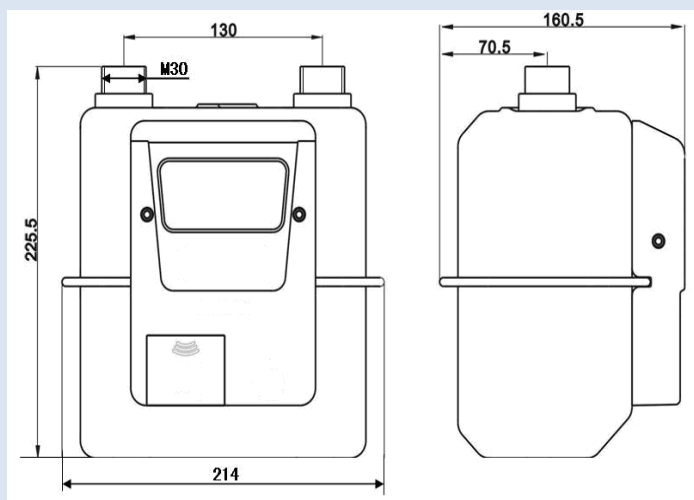
Benefits

1. Managing SUNTRONT prepaid meters, smart and strong.
2. Creating files of different meters.
3. Convenience for operator to open account, recharge, reissue card, cancel account, replace meter, etc.
4. Collecting consumption records stored by IC card reader-writer and then uploads to computer for backup.
5. Inquiring sale records by daily and monthly or inquiry for any period of time.
6. Summing up total purchased amount and money of different sale regions, meters or times.
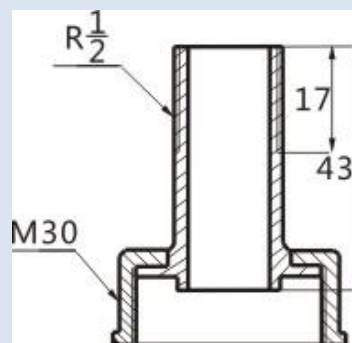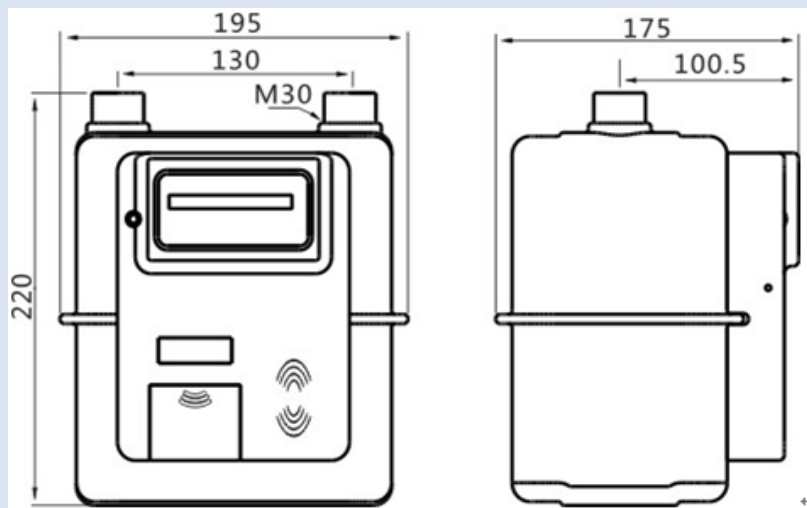7. Automatically backup or recover data

Technical Specifications

Model	G1.6	G2.5	G4.0
Nominal Flow Rate (q_n)	1.6 m³/h	2.5 m³/h	4.0 m³/h
Maximum FlowRate(q_{max})	2.5 m³/h	4 m³/h	6 m³/h
Minimum Flow Rate(q_{min})	0.016 m³/h	0.025 m³/h	0.040 m³/h
Demarcation Flow Rate (q_t)	0.25 m³/h	0.4 m³/h	0.6 m³/h
Initiate Flow Rate	≤3 dm³/h	≤5 dm³/h	≤5 dm³/h
Total Pressure Loss	≤250Pa		
Cyclic Volume of Gas Volume Meter	1.20dm³		
Shell Material	Steel/Aluminum		
Minimum Reading	0.0002m³ or 0.0001m³		
Maximum Reading	99999m³		
Accuracy Level	Class 1.5		
Leak Tightness	No leak when ≤15kPa		
Working Pressure	≤10kPa		
User Steal Gas Power	Close valve automatically and remind the user		
Security of IC Card	One meter with one card, cannot be replicated		
Service Life of IC Card	Using Times≥100,000 Times		
Way of Alarming	Close valve to alarm		
Amount of Alarming	2 m³、50 m³ (Purchasing amount for one time＞255 m³,the alarming amount will be 50 m³); can also set the alarm from1～255m³		
Power supply	3 pieces of 1.5V AAA alkaline dry batteries		
Working Current of Static State	≤20μA		
Basic Error	$q_{min}≤q＜q_t$: ≤±3％; $q_t≤q≤q_{max}$: ≤±1.5％		
Working Temperature	-10℃～40℃		

Dimensions (mm)

1) Steel Shell and Adaptor

2) Aluminum Shell and Adaptor

Transportation and Storage

| Handle with Care | Prevent Ingress of Rain | Upward | No Rolling | Storage Temperature Limits |
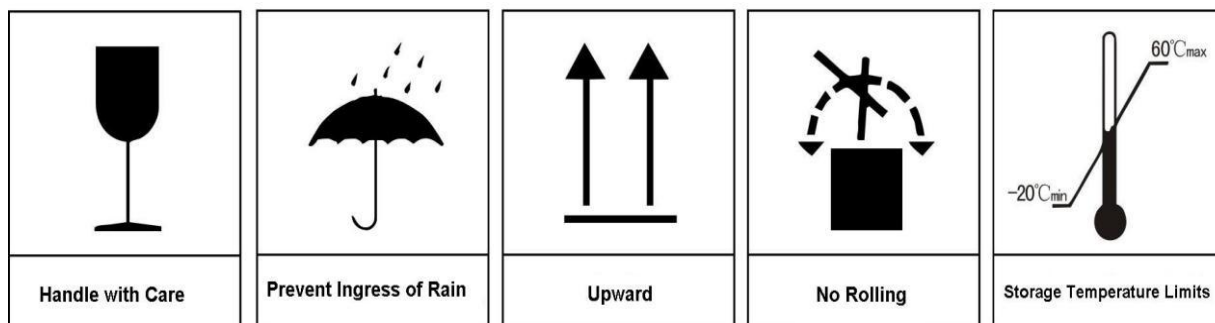
>> Company Profile

Established in 2000, Suntront Tech Co., Ltd has listed on the stock market on August, 2011, with registered capital of RMB272.448 million. Now, it has rapidly grown up to be one of the largest manufactures of smart meters in China.

Suntront Tech have modernized factories, advanced R&D equipments, systematic and scientific quality control system passed ISO9001, ISO14001, CQC and CE certificate, etc. Presently, the four main series, which cover more than 1000 kinds of products, such as smart water meters/heat meters/gas meters/energy meters are sold at more than 30 provinces and autonomous and exported to Turkey, South Africa, Indonesia, Nigeria, Malaysia, Polynesia, Mozambique, Zambia, Egypt, Mexico, India and other countries.

In 2015, New Suntront Technology Park, with investment of RMB400 million, covers an area of 110,000 ㎡ will put into use. Then Suntront will own a world-class R&D Centre, an automatic and mass production base with annual output of 4 million pieces of smart meters and systems.

Depending on advanced enterprise culture, key technologies, excellent product quality, routing management, flexible network service, strong R&D team, we keep our products in line with the latest demands of the market and our passion for new products development keeps us going forward.

We wish to lead the development of local and global smart meter industry by providing the customers with trustable and satisfied service and open up a new horizon of the smart meter industry by expanding its business in the long run.

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