

NOG16-A Keypad Prepaid Gas Meter



Automatic valve controlling



Ingress protection IP67 waterproof



Up to 6 years battery life



STS Standard



Real-time clock



Utilities can set step price into meter on request



Anti-Tamper
Magnetic field protection



LORA-RF communication (optional)



Pay by mobile payment
M-PESA, Alipay, MTN, Airtel, etc.



The NOG16-A is an STS Standard compliant, keypad type, automatically valve controlled prepaid gas meter. It can be top up by Novizexpay vending software with 20 digital Token and communicate with AMI system via LORA-RF module.

Compliance with Standard

- * ISO 9001 ; ISO 14001
- * STS Certificated

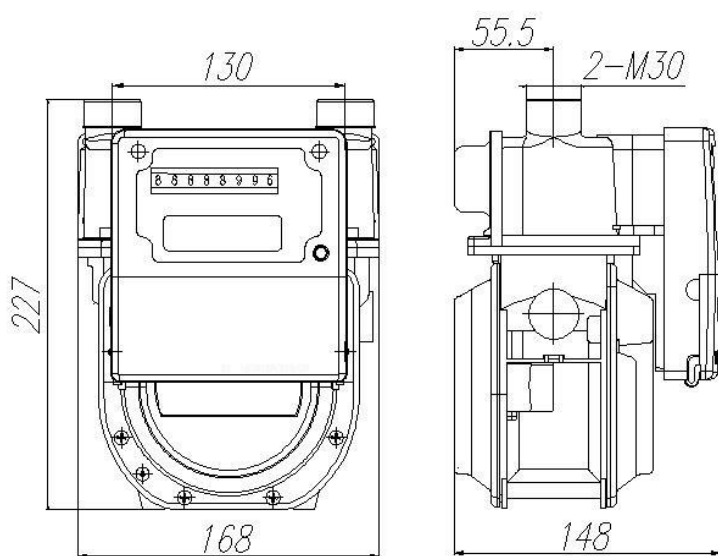
Application:

Measuring the volume of gas through gas pipes.

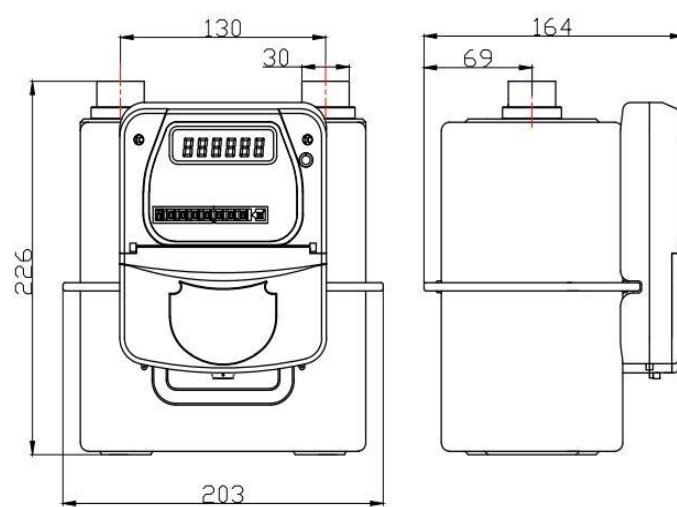
Metrological Parameters of different size

Size	G1.6	G2.5	G4
Nominal Flow Rate	1.6 m ³ /h	2.5 m ³ /h	4 m ³ /h
Maximum Flow Rate	2.5 m ³ /h	4 m ³ /h	6 m ³ /h
Minimum Flow Rate	0.016 m ³ /h	0.025 m ³ /h	0.04 m ³ /h
Cyclic Volume	0.7dm ³	1.2 dm ³	2 dm ³
Maximum working pressure	0.7 Bar	0.7 Bar	0.7 Bar
Pressure loss	<200 Pa	<200 Pa	<200 Pa
Maximum reading	99999	99999	99999
Working temperature	-20-50℃	-20-50℃	-20-50℃
Storage Temperature	-30-60℃	-30-60℃	-30-60℃
Error: $Q_{min} \leq Q \leq 0.1Q_{max}$	±3	±3	±3
	$0.1Q_{max} \leq Q \leq Q_{max}$	±1.5	±1.5

Meter Dimension



Aluminum Body



Steel Body

Functions

The integrated keypad of gas meter is offered to enter recharge TOKEN and check information by short codes.

Novizexpay vending software could be integrated to local Mobile Money Payment Platform like M-PESA, Alipay, MTN, Airtel, etc.

Basic Functions

- * Meter Recharge: By inputting 20 digits Token.
- * Low Credit Alarm: Alarm value can be set by inputting corresponding TOKEN.
- * Non-return valve: Non-return valve inside for preventing back-flow.

Communication:

The meter is available with AMI system through LORA-RF or NB-IoT module on request.

Step Tariff:

Meters can be set Step Tariff by inputting corresponding TOKEN. Utilities can set 3 step prices on request.

Anti-Tamper Functions:

Meter will automatically close the valve after detection of magnetic field and open cover event. Working normally after inputting clear tamper Token.

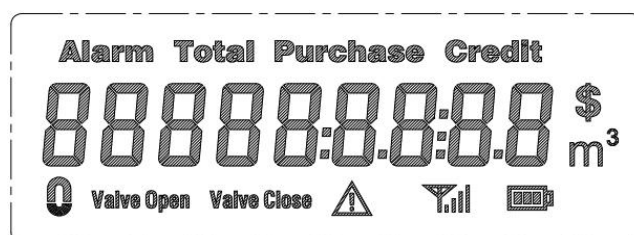
Overdraft Collection:

Non- Revenue gas (Overdraft) can be collected day by day or month by month.

Information Inquiry:

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

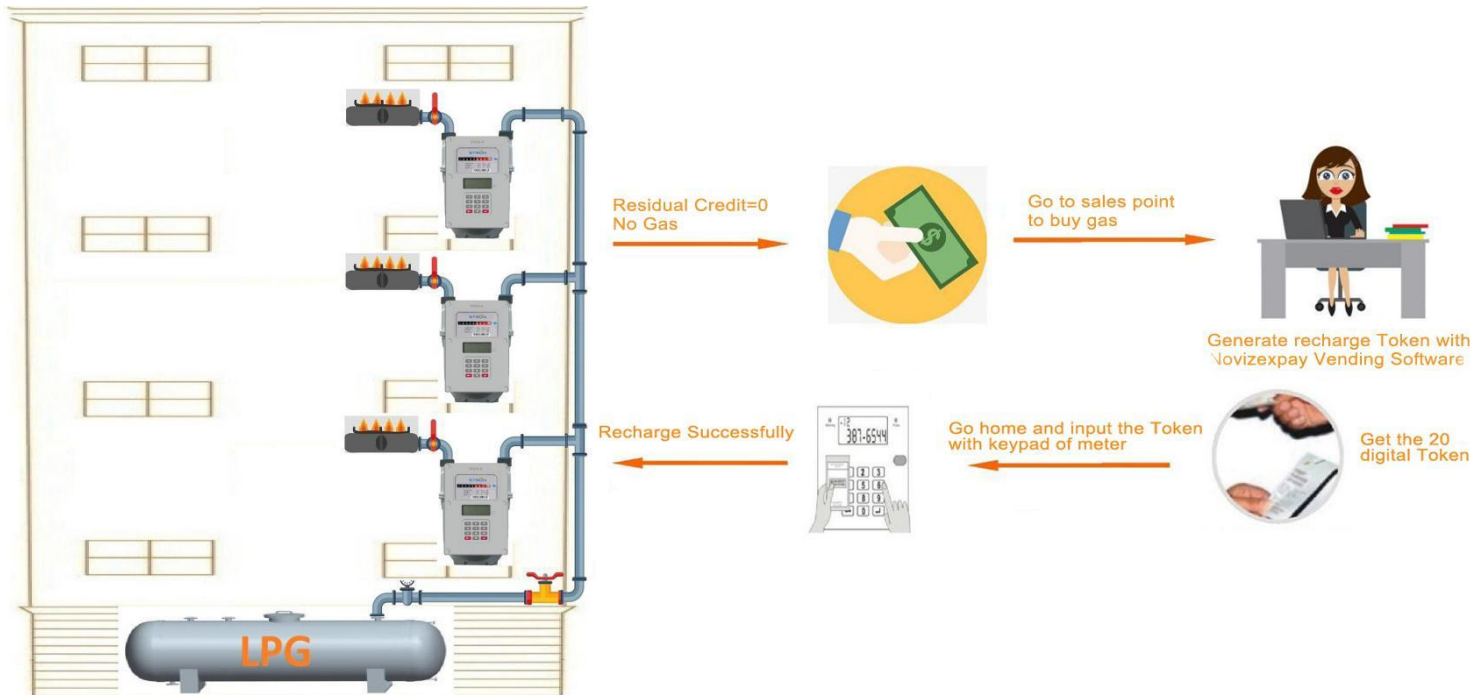
Liquid Crystal Display:



Three solutions to recharge prepaid gas meter

1. By Novizexpay vending Software

⇒ Via local sales point or handheld mobile vending unit



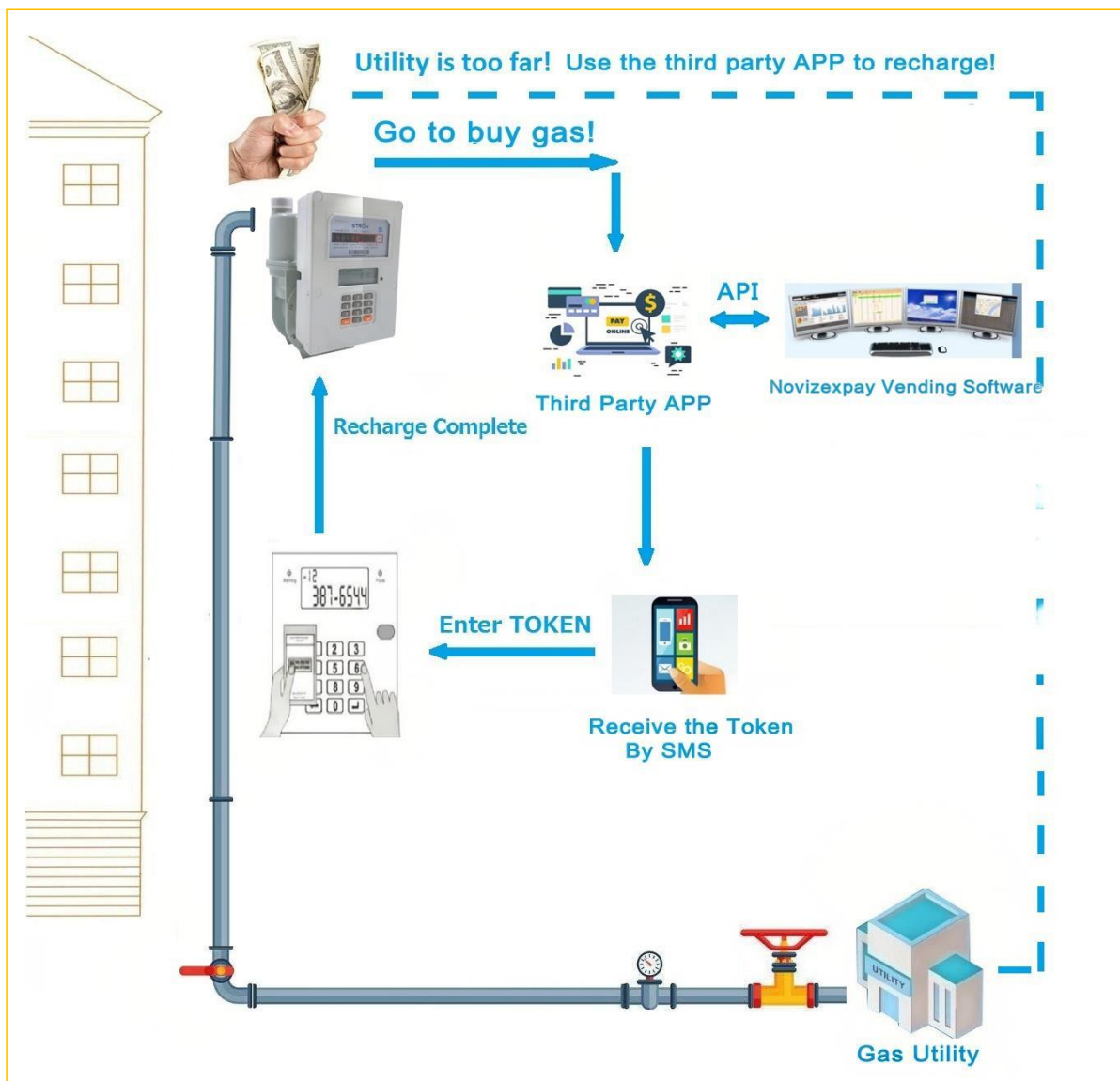
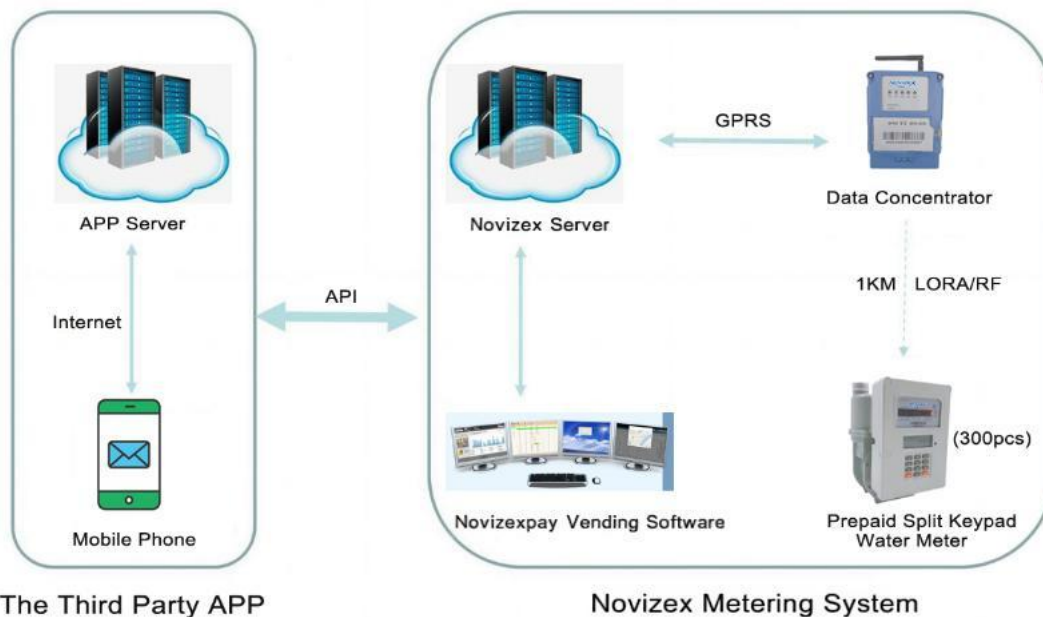
Operation of vending software

1. Login vending system
2. Meter number registration
3. Customer information registration
4. Price Setting
5. Open Account
6. Vending/Topping up meters
7. Get the Token
8. Input Token to meter with keypad
9. Recharging successfully

2. By the third party platform or local mobile payment with API

⇒ Via mobile phone

API: Application Program Interface, which is the agreement connecting the third party APP and our Novizexpay vending software.

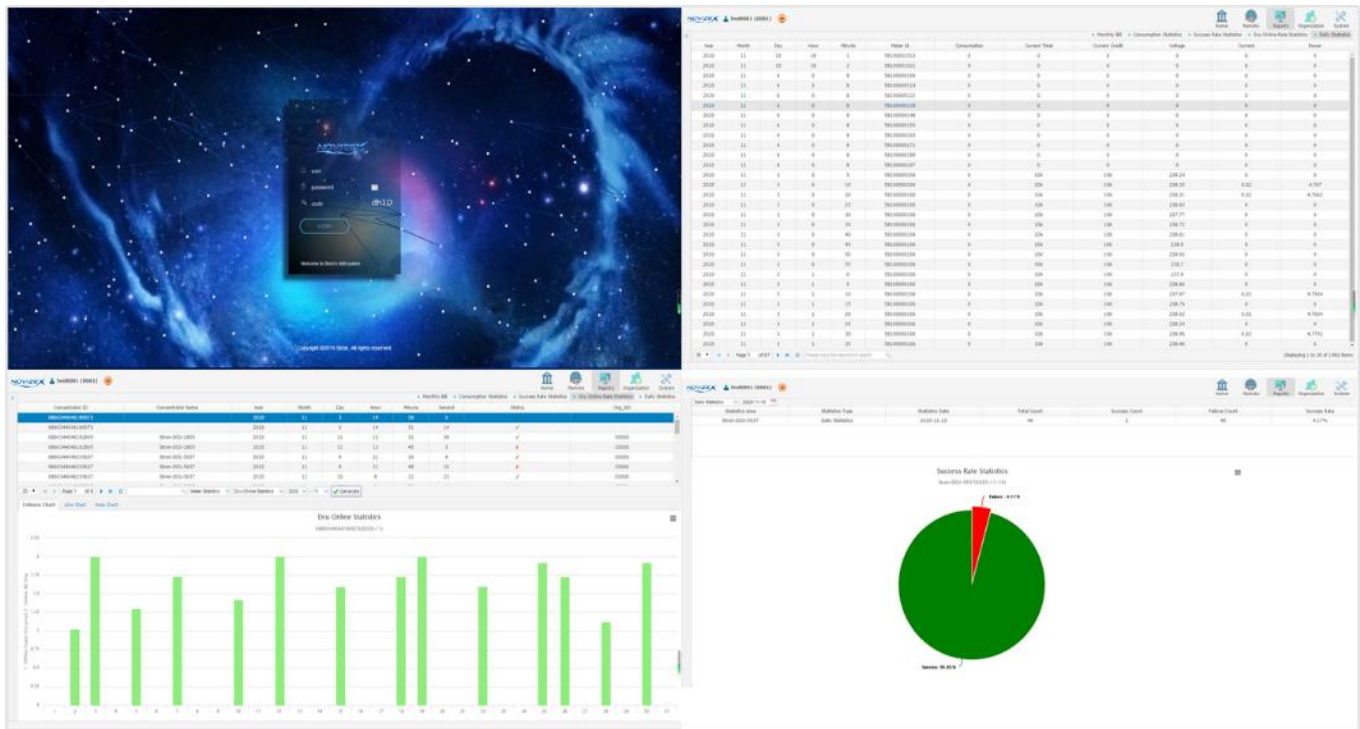


The advantages to recharge with mobile payment:

- * Users can top up gas by mobile money without leaving the house.
- * Users could check information by their telephone.
- * It helps utilities for Revenue protection and consumer management.

3. By the AMI System

⇒ Recharge remotely via DCU and LORA-RF or NB-IoT module



How to recharge by AMI System?

