

SMART NOC-622A Muti-jet RFID Card Prepaid Water Meter

Main Features

- Muti-jet Dry dial register construction
- STS Standard compliant
- Real-Time clock (RTC)
- Low Power Consumption
- 8 years battery life
- Pre-programmable low credit warning
- Recharge by smart RFID Card
- Brass / plastic meter body on request
- Step tariff and debt collection setting
- LoRa RF communication(optional)
- Non- return valve preventing back-flow



IP68

Ingress protection IP68 waterproof



Up to 8 years battery life



Automatic valve controlling

STS

STS Standard



Real-time clock

Step
Tariff

**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.**

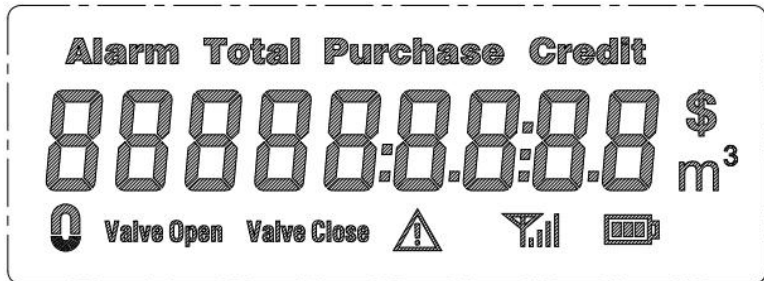
NOW36-A is an STS (Standard Transfer Specification) compliant, RFID Card type, electronic valve controlled prepayment water meter. It adopts Philips Mifare S70 Card to realize Prepayment Function and bi-directional communication between water meter and vending center system for data transfer. The brass body base meter has been supplied and proven by millions of service connections for reliable and cost-effective consumption measurement. Prepayment function and excellent anti-tamper feature like Magnetic field protection to help utilities for Revenue water protection and consumer management.

LoRa wireless communication optional as customers demand, It can be remote reading or remote controlled by our AMI server, Customer can check data and parameters they need, like monthly consumption, daily consumption, meter status, anyway, we know the LORA has a communication distance around 2 kilometer, and very stable. Service provider can close the valve remotely, Effectively prevent users from not paying water charges, Monitor customer's water consumption at any time.

Metrological Parameters of different size

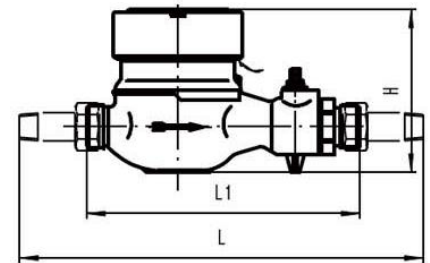
Size		DN15mm 1/2"	DN20mm 3/4"	DN25mm 1"
Overload flow rate Q4		3.13	5	7.87
Permanent I flow rate Q3		2.5	4	6.3
Transitional flow rate Q2		0.04	0.064	0.1
Minimum flow rate Q1		0.025	0.04	0.063
Ratio "R" Q3/Q1		100	100	100
Maximum working pressure		16Bar	16Bar	16Bar
Maximum pressure loss		0.6Bar	0.6Bar	0.6Bar
Maximum reading		99999	99999	99999
Max temperature		50℃	50℃	50℃
Error	$Q1 \leq Q \leq Q2$	5%	5%	5%
	$Q2 \leq Q \leq Q4$	2%	2%	2%

Basic Functionality

Function	Details
Prepayment	STS Standard, recharge by Smart RFID Card
Low credit alarm	Alarm value can be set by inputting corresponding TOKEN
Prepaid and post-paid switch	Meter can be switch to prepaid mode or post-paid mode
Non-return valve	Non-return valve inside for preventing back-flow
Anti-tamper	Meter will automatically close the valve after detection of magnetic field and open cover event
Step Tariff	Step Tariff can be set by Management Card
Overdraft Collection	Non- Revenue water (Overdraft) can be collected day by day or month by month
Communication	The meter is available with AMI system through LORA RF or Bluetooth 4.0 on request
Information Inquiry	Consumer could check the data like Credit Remain, Total Purchased and Total Credit by LCD Display
Liquid Crystal Display	 The LCD display shows the following information: Alarm, Total Purchase, Credit, and a status bar with icons for Valve Open, Valve Close, a warning triangle, signal strength, and battery level. The units are \$ and m³.

Meter Dimensions

Size	DN15 1/2"	DN20 3/4"	DN25 1"
Length (L)	165/190	190	225/260
Width (W)	99	99	103
Height (H)	104	106	114
Connecting Thread	G3/4B	G1B	G1-1/4B



Novizexpay Vending Software



RFID Card Parameters

Type	Philips Mifare S79 Card
Inductive mode	Initiative transmit, RF Power-6dBm transmit every second
Material	ABS, heat resistant, White color
Dimension	86×55×4mm
Protection Class	IP54
Signal modulation	GFSK
Communication speed	1Mbit/s / M1 106KBPS
Operation Frequency	2.44GHz / M1 Card 13.56MHz
Working life	>5 years
Operating Temperature	-20°C~+50°C

