



# BST

## Behineh Sazan Toos Co.



### Contact Us

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## SMART GAS METER

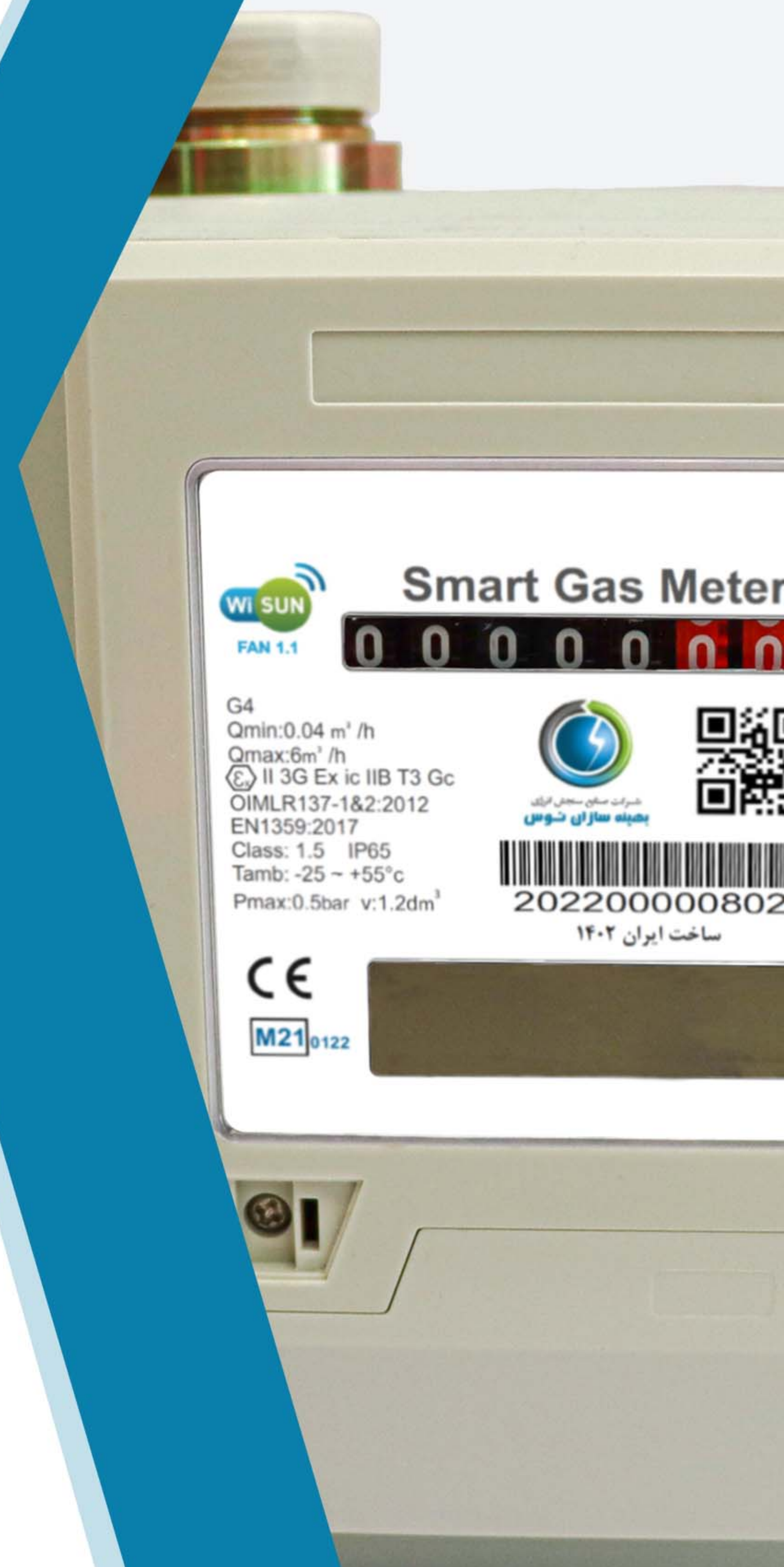
Smart gas meters are designed to provide precise and secure measurement of fuel gases—such as natural gas—while enabling real-time consumption monitoring. These meters periodically transmit usage data, operational status, and other relevant information to a central data management platform.

A wide range of communication technologies, including Wi-SUN, NB-IoT, LoRa, and 4G, ensures reliable coverage across the entire service area. An integrated optical port further enables physical access via a handheld unit (HHU) for meter configuration and data extraction.

# SMART GAS METER

## Main features

- LCD monitor
- IP65
- Detection and recording of events
- Displaying the hourly, daily and monthly load profiles
- Remote and local firmware upgrade
- The exact clock along with applying the leap year
- Lithium battery
- Powerful encryption/decryption capabilities according to AES128-GCM algorithm
- The communication protocol in accordance with the DLMS/COSEM standard
- Equipped with a shut-off valve
- Equipped with an NFC module for locally commanding the shut-off valve to open
- Remote communication and control with the help of GPRS or LoRa
- Local communication via optical port
- Dimensions: 176\*210\*220





## Technical Specifications

Description	VALUE
Nominal flowrate Qn	4m <sup>3</sup> /h
Maximum flowrate Qmax	6 m <sup>3</sup> /h
Minimum flowrate Qmin	0.04 m <sup>3</sup> /h
Maximum operating pressure	0.5 bar
Maximum permissible errors	0.1 Qmax ≤ Q ≤ Qmax ± 1.5% Qmin ≤ Q < 0.1 Qmax ± 3%
Max pressure loss	2mbar
Display range max	99999.999
Accuracy class	1.5
Cyclic volume	1.2dm <sup>3</sup>
Center distance	130mm
Screw size	NPT 1 1/4"
Working temperature	-25°C to +55°C
Power source	Lithium battery(replaceable), 10 years (report one time daily)
Protection level	IP65
Communication Type	GPRS&NFC&Optical interface
Work voltage range	3.3V-3.6V
The minimum unit of electronic measurement	0.01m <sup>3</sup>
Deviation of internal clock	<0.5S/day
Touch panel type	C-Spring touch button
LCD type	Segmented LCD
Meter casing material	Steel
Casing colour	Cream
Explosion protection	II 3G Ex ic IIB T3 Gc According to IEC/ EN 60079_0,11





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