

CHNT

Empower the World



Gas Meter



Our Solutions includes



Founded in 1984, CHINT Group Co., Ltd. (hereinafter referred to as "CHINT") is a global leading smart energy solutions provider. Over the past 40 years since its establishment, CHINT has always focused on industry and brand building, deeply implemented the strategy of "Industrialization, Technologization, Internationalization, Digitalization and Platformization", and formed three major segments of "Green Energy, Intelligent Electric and Smart Low-carbon" and two major platforms of "CHINT International Platform and Sci-tech Innovation Incubation Platform", and endeavored to build up "211X" Management Capabilities, including Intelligent Electric and New Energy Industry Cluster Capabilities, Regional Localization Capability, Middle and Backstage Integration Capability, and Innovation Incubation Capability. Its business covers more than 140 countries and regions, with over 50,000 employees worldwide. In 2023, CHINT's operating revenue reached USD 22.1 billion, and CHINT has been listed among the Top 500 Chinese Enterprises for more than 20 consecutive years. CHINT Electrics (stock code: 601877) is the first A-share listed company in China with LV electrical appliances as its main business.



USD **18.3** Billion

Annual Sales Revenue of CHINT Group



USD **20.8** Billion

Annual Total Assets of CHINT Group



Business Covering

140+

Countries and Regions



4%-12%

Annual R&D Investment Obtained from the Percentage of Sales



28

Global Subsidiaries



32%

YoY Revenue Growth in 2022, CHINT Global



40,000+

Employees Worldwide



8,000+

Accumulated Authorized Patents



60%+

Localization Rate of CHINT Global Employees

* Data as of December 31, 2022



ABOUT CHINT INSTRUMENT & METER

Zhejiang CHINT Instrument & Meter Co., Ltd was founded in 1998 - one of the core subsidiaries of CHINT Group, a national high-tech enterprise, Chinese Torch Program key high-tech enterprise.

CHINT Meter provides reliable products and qualified services to our customers in electricity, gas, water, new energy, rail transmit, communication, petrochemical architecture industry, and more. We served over 30 provinces' utility companies in China and more than 30 countries and regions overseas.

- Innovative Environment: Patents 266,255 software copyrights, 80 elevations of national industry standards.
- Core member of Wi-SUN and G3-PLC alliance, products have passed MID, IDIS, DLMS, STS, IEC2020 and EN16314R certification.
- More than 5 million Smart Electricity meters and 10 million Gas Meters have been deployed overseas, covering more than 30 countries and regions.

Our Products and Solutions

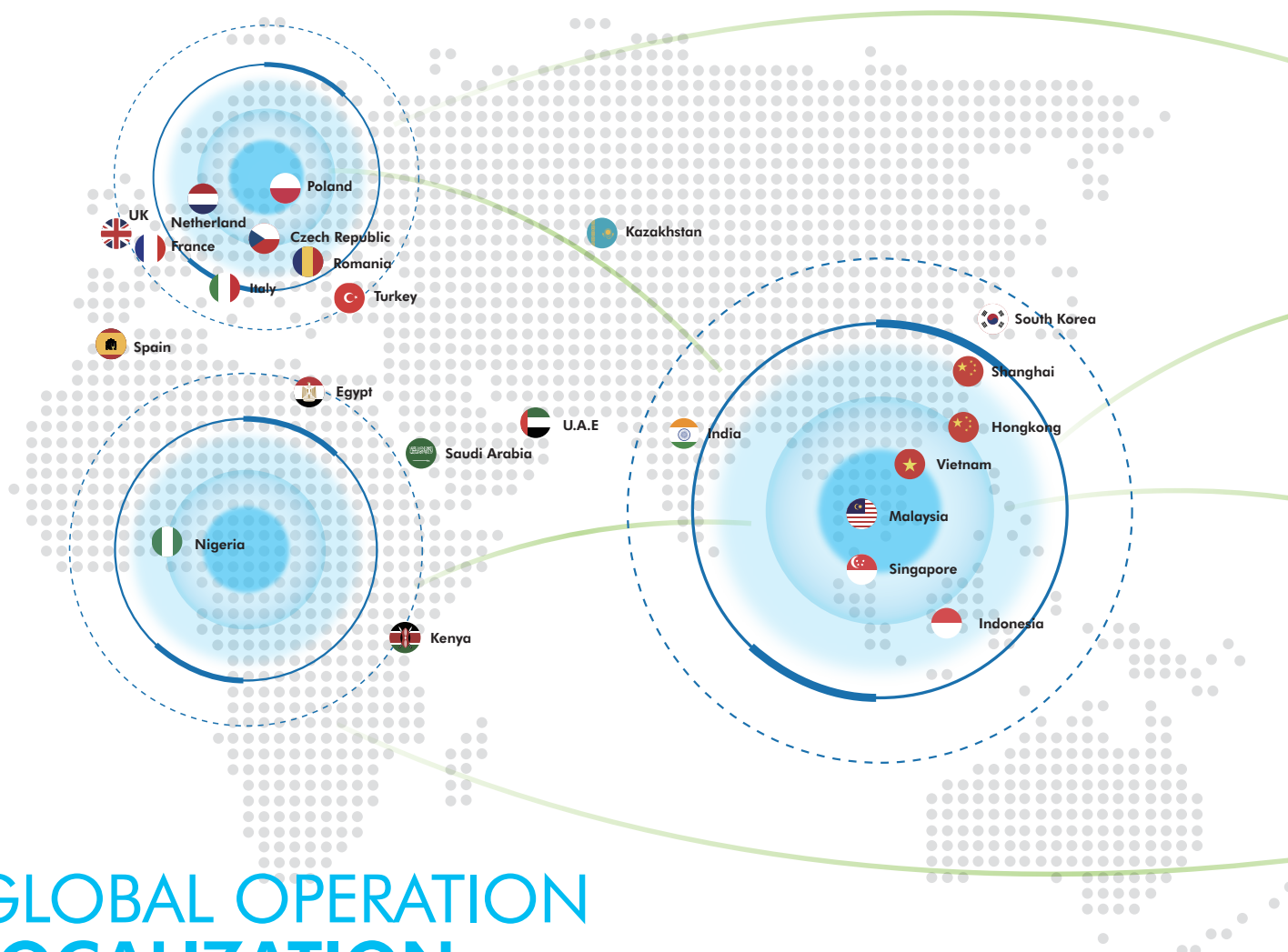
	Smart Electricity Metering Solution		Power Supervision and Control Meter
	Smart Gas Metering Solution		Energy Measurement System
	Smart Water Metering Solution		Power Distribution Monitoring Solution

Our Advantages

-  We provide and integrate the entire chain from power generation, storage, transmission, substation, distribution to utilization
-  China's FIRST R46 certification issued by the International Organization of Legal Metrology (OIML)
-  Million-level AMI field operation experience
-  A one-stop smart city solution for Electricity, Gas and Water
-  China's largest gas meter exporter with ten million-level gas meter experience

Qualification Certification



GLOBAL OPERATION LOCALIZATION

Rooted Locally, Serving the Globe



Sunlight **Singapore & Malaysia**
Main Products: Low-voltage Switchgears



Metering Factory **Uganda**
Main Products: Meters



Solar Factory **Thailand**
Main Products: PV Module, PV Cell



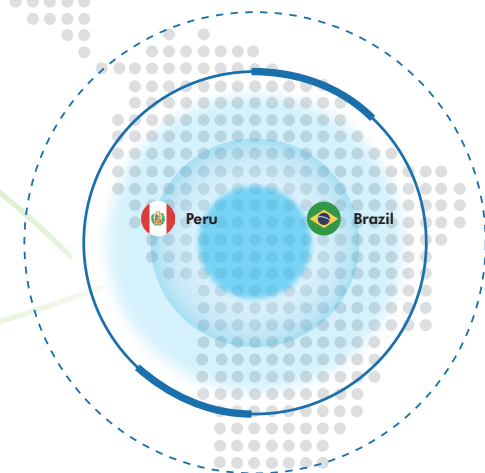
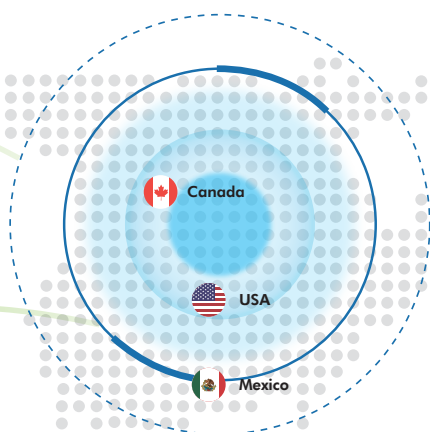
Sunlight **Vietnam**
Main Products: MSB, MCC, SDB, DB, CU, Fire Pump Panel, Weatherproof Panel, String Combine Box, Solar Switchboard



SchneiTec CHINT **Cambodia**
Main Products: MV Equipment including 22kV Distribution Transformer, Switchgear, Smart RMU, Capacitor Bank



CHINT - EGEMAC **Egypt**
Main Products: Full Series of Low-voltage Switchgears



Business Covering

140+

Countries and Regions



25+

Global Subsidiaries



2,300+

Global Distributors



60%+

Localization Rate of
Global Employees



After more than 30 years of overseas expansion, CHINT Global has subsidiaries and offices in Europe, North America, Asia-Pacific, West Asia & Africa and Latin America. Its business footprint covers more than 140 countries and regions worldwide, continuously providing the world with more efficient smart electricity and clean energy.



**Haining Solar
Intelligent Factory** China

Main Products: PV Module, PV Cell



**Power T&D
Jiaying Factory** China

Main Products: MV and LV Switchgear, C-GIS, MV Circuit Breaker, Prefabricated Substation



**Power T&D
Shanghai Factory** China

Main Products: Power Transformer, GIS, MV and LV Switchgear, HGIS, HV Circuit Breaker, Disconnect



**Wenzhou Low-voltage
Intelligent Factory** China

Main Products: Low-voltage Components



CHINT ATC Saudi Arabia

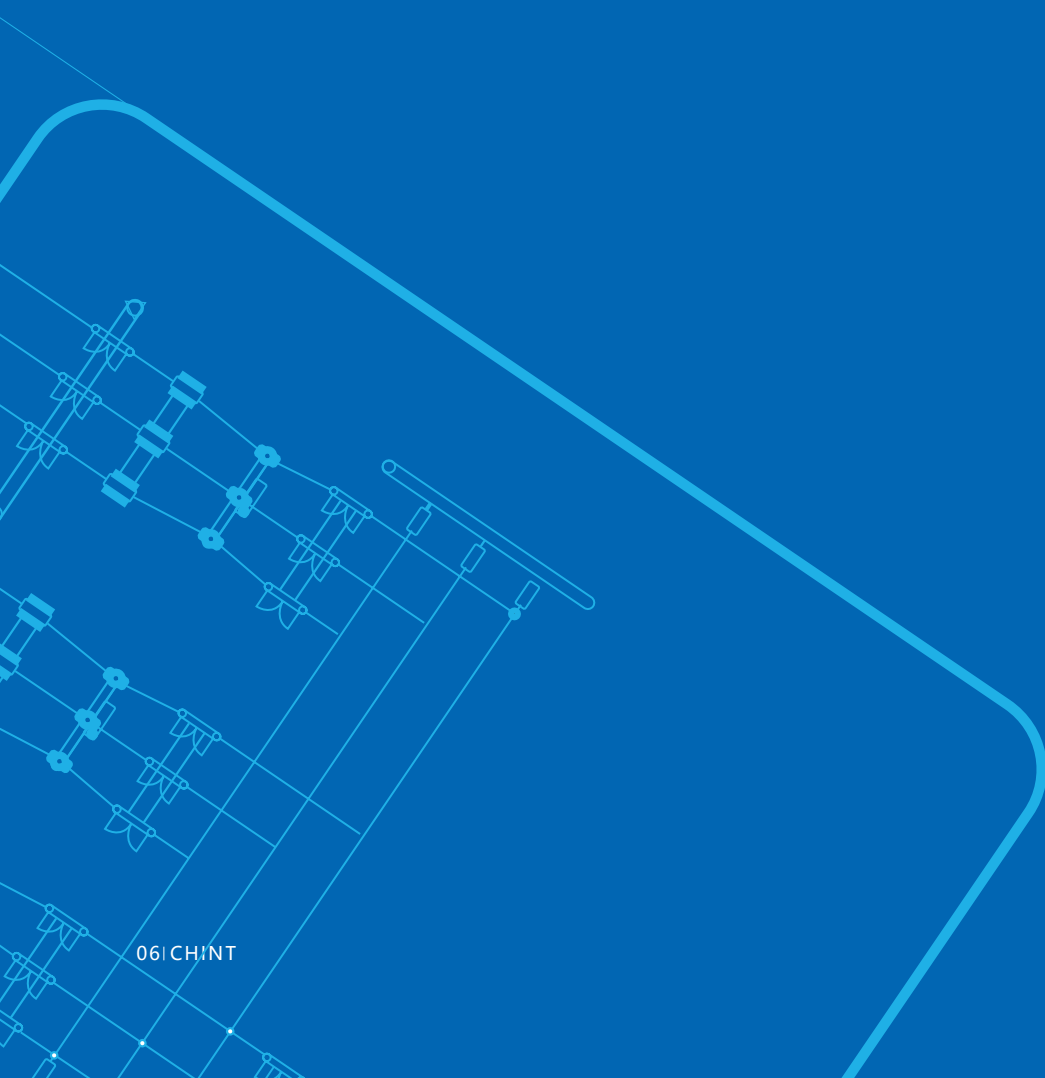
Main Products: RMU and Intelligent Power T&D Products of 33kV and below



CHINT-AJLAN & Bros Saudi Arabia

Main Products: Low-voltage Components

Gas Meter



CONTENT

1.0 Base Meter

- 1.1 Steel-G1.6S, G2.5S, G4S
- 1.2 Aluminum-G1.6A, G2.5A
- 1.3 Aluminum-ZT-G4A
- 1.4 Pulse Interface-ZT-G1.6S, ZT-G2.5S, ZT-G4S
- 1.5 Small Size-G1.6, G2.5(Aluminum)
- 1.6 Small Size-G1.6S, G2.5S (Steel)
- 1.7 Wide Center Distance-G1.6S, G2.5S, G4S(Steel)
- 1.8 Commercial-G6S, G10S, G16S, G25S(Steel)

2.0 IC Card

- 2.1 ZG1.6S-1, ZG2.5S-1, ZG4S-1

3.0 Smart Meter

- 3.1 LoRa-ZG1.6S-2, ZG2.5S-2, ZG4S-2
- 3.2 LoRaWAN-G1.6, G2.5, G4
- 3.3 IoT+NFC-ZG1.6-5, ZG2.5-5, ZG4-5
- 3.4 GPRS-ZG1.6S-5, ZG2.5S-5, ZG4S-5
- 3.5 NB-IoT-ZG1.6S-7, ZG2.5S-7, ZG4S-7

4.0 SYSTEM

5.0 Qualification & Certificate

1.1

Base Meter



1.1 | Steel-G1.6S, G2.5S, G4S

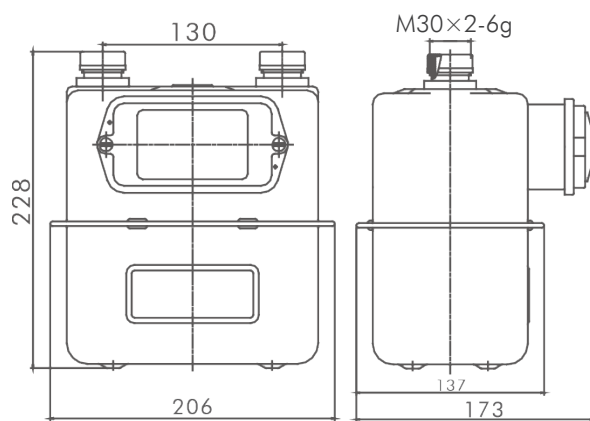
FUNCTION

- Wide applicable gas range
- Low pressure loss & high working pressure
- Long service life

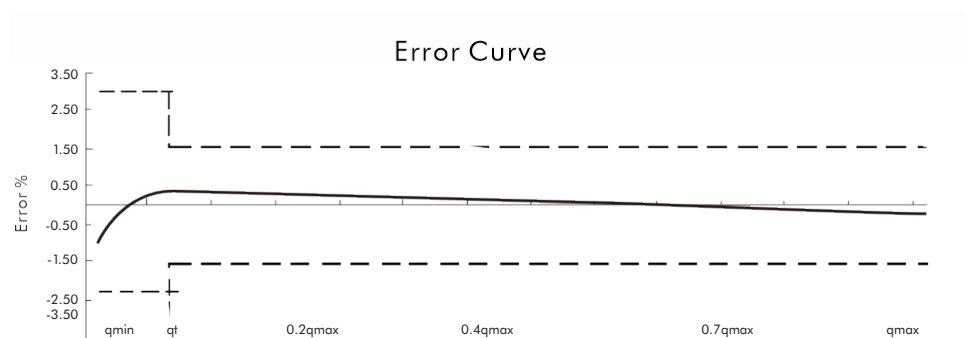
FEATURES



APPEARANCE AND INSTALLATION SIZE



Units: mm



Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type	
Main index	Specification & type	G1.6	G2.5
Nominal flow-rate (q_n)	m^3/h	1.6	2.5
Max. flow-rate (q_{max})	m^3/h	2.5	4
Min. flow-rate (q_{min})	m^3/h	0.016	0.025
Operating pressure range	kPa	0.5~20	
Max. permissible error	$q_t \leq q \leq q_{max}$ $q_{min} \leq q < q_t$	$\pm 1.5\%$ $\pm 3\%$	$q_t \leq q \leq q_{max}$ $q_{min} \leq q < q_t$
Total pressure loss	Pa	≤ 200	
Max. reading	m^3	99999.999	
Min. reading	m^3	0.0001	
Cyclic volume	dm^3	0.9	
Accuracy class		1.5 Class	
Weight	kg	1.65	
Standard		GB/T6968-2011、JJG577-2012	

1.2

Base Meter



1.2 | Aluminum-G1.6A, G2.5A

FUNCTION

- Anti-reverse flow (Optional)
- Strong anti-corrosion capability
- Long service life

FEATURES



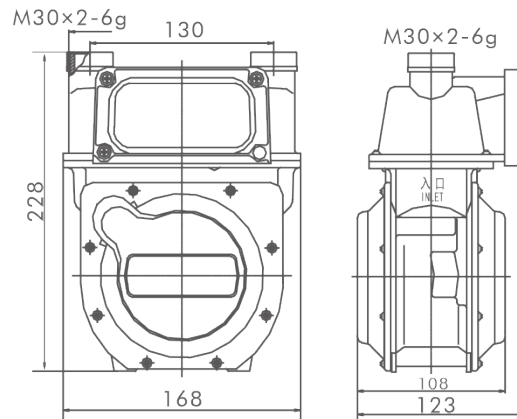
SAFETY



HIGH ACCURACY

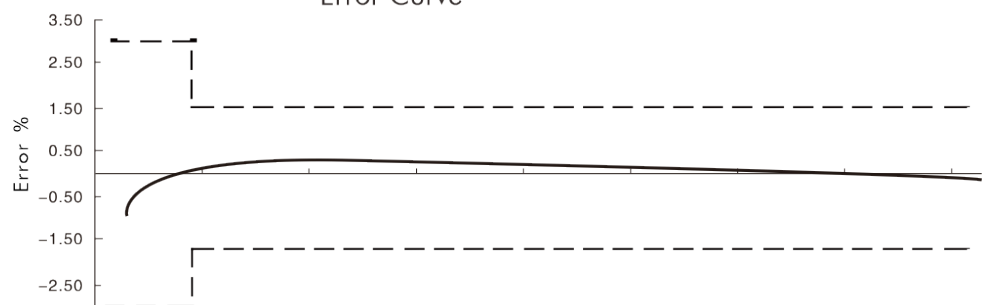
LOW
CONSUMPTION

APPEARANCE AND INSTALLATION SIZE



Units: mm

Error Curve



1.2

Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type	
Main index	Specification & type	G1.6	G2.5
Nominal flow-rate (q_n)	m^3/h	1.6	2.5
Max. flow-rate (q_{max})	m^3/h	2.5	4
Min. flow-rate (q_{min})	m^3/h	0.016	0.025
Operating pressure range	kPa	0.5~20	
Max. permissible error	$q_t \leq q \leq q_{max}$ $q_{min} \leq q < q_t$	$\pm 1.5\%$ $\pm 3\%$	$q_t \leq q \leq q_{max}$ $q_{min} \leq q < q_t$
Total pressure loss	Pa	≤ 200	
Max. reading	m^3	99999.999	
Min. reading	m^3	0.0001	
Cyclic volume	dm^3	0.9	
Accuracy class		1.5 Class	
Weight	kg	1.65	
Standard		GB/T6968-2011、JJG577-2012	

1.3

Base Meter



1.3 | Aluminum-ZT-G4A

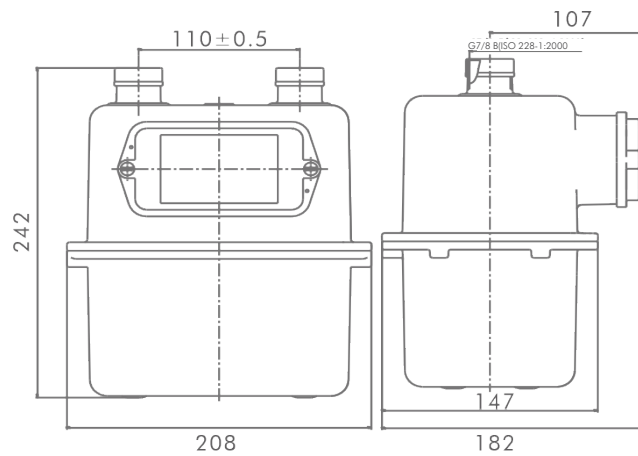
FUNCTION

- Accurate measurement and stable performance
- Mechanical transmission method
- Independent meter mechanism
- Anti-stealing gas

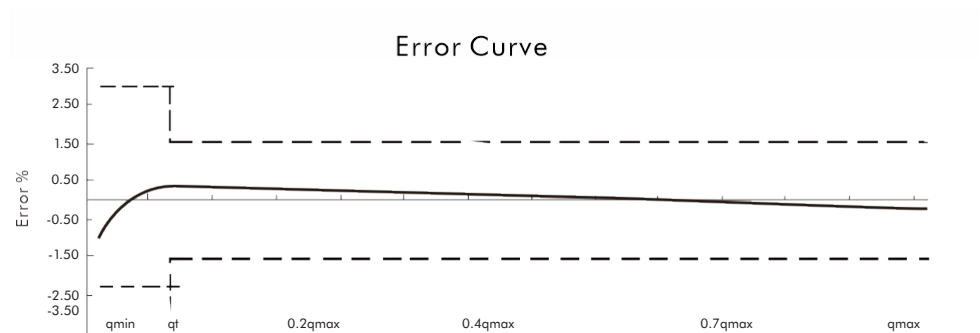
FEATURES



APPEARANCE AND INSTALLATION SIZE



Units: mm



1.3

Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type
Main index	Specification & type	ZT-G4A
Nominal flow-rate (q_n)	m^3/h	4
Max. flow-rate ($q_{\max}$)	m^3/h	6
Min. flow-rate ($q_{\min}$)	m^3/h	0.04
Operating pressure range	kPa	0.5~50
Max. permissible error	$q_t \leq q \leq q_{\max}$	$\pm 1.5\%$
	$q_{\min} \leq q < q_t$	$\pm 3\%$
Total pressure loss	Pa	≤ 200
Max. reading	m^3	99999.9998
Min. reading	m^3	0.0002
Cyclic volume	dm^3	0.2
Accuracy class		1.5
Weight	kg	2
Standard		EN 1359 & OIML R137

1.4

Base Meter



1.4 | Pulse Interface-ZT-G1.6S, ZT-G2.5S, ZT-G4S

FUNCTION

- Supporting remote reading by Pulse output
- Measurement Accuracy
- Anti Stealing Gas
- 8000 hours Endurability

FEATURES



WIDE RANGE

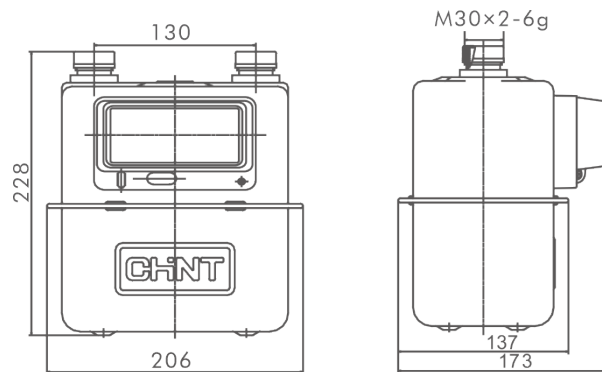


UV PROOF

8000h

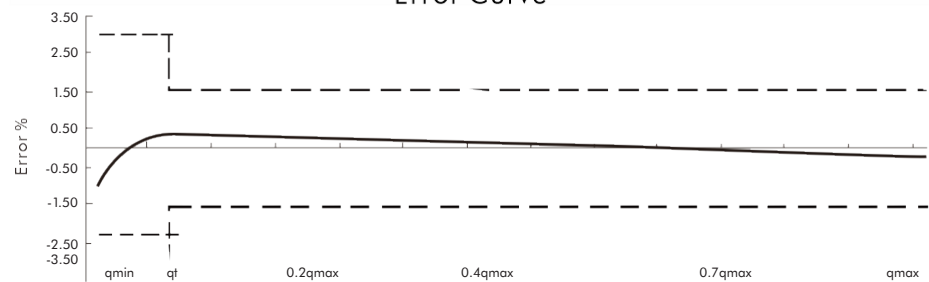
8000h LONG LIFE

APPEARANCE AND INSTALLATION SIZE



Units: mm

Error Curve



Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	ZT-G1.6S	ZT-G2.5S	ZT-G4S
Nominal flow-rate (q_n)	m^3/h	1.6	2.5	4
Max. flow-rate (q_{max})	m^3/h	2.5	4	6
Min. flow-rate (q_{min})	m^3/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	$q_t \leq q \leq q_{max}$	$\pm 1.5\%$		
	$q_{min} \leq q < q_t$	$\pm 3\%$		
Total pressure loss	Pa	≤ 160		
Max. reading	m^3	99999.999		
Min. reading	m^3	0.0002		
Cyclic volume	dm^3	1.2		
Weight	kg	2		
Standard		OIML R137:2006、EN1359:1998/A1:2006		
One pulse equivalency gas volume		0.01 m^3		

1.5

Base Meter



1.5 I Small Size-G1.6, G2.5(Aluminum)

FUNCTION

- Supporting remote reading by Pulse output
- Measurement Accuracy
- Anti Stealing Gas

FEATURES



SAFETY

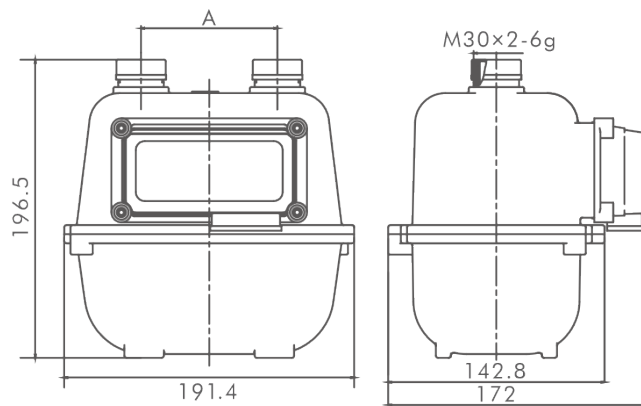


HIGH ACCURACY

LOW
CONSUMPTION

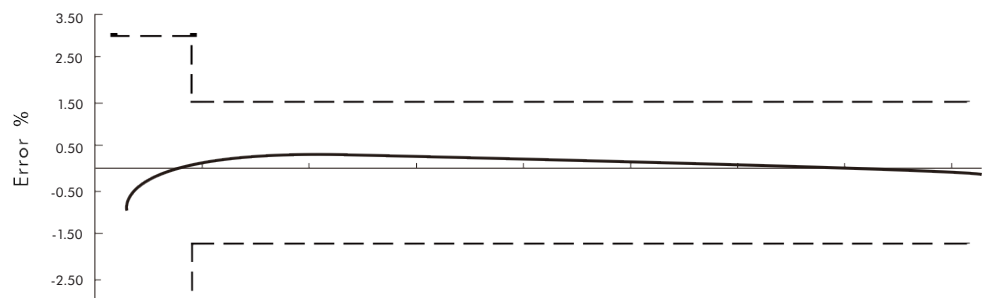
APPEARANCE AND INSTALLATION SIZE

A	90	110	130
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Units: mm

Error Curve



1.5

Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type	
Main index	Specification & type	G1.6	G2.5
Nominal flow-rate (q_n)	m^3/h	1.6	2.5
Max. flow-rate (q_{max})	m^3/h	2.5	4
Min. flow-rate (q_{min})	m^3/h	0.016	0.025
Operating pressure range	kPa	0.5~50	
Max. permissible error	$q_t \leq q \leq q_{max}$ $q_{min} \leq q < q_t$	$\pm 1.5\%$ $\pm 3\%$	
Total pressure loss	Pa	≤ 200	
Max. reading	m^3	99999.9998	
Min. reading	m^3	0.0002	
Cyclic volume	dm^3	0.8	
Accuracy class		1.5	

1.6

Base Meter



1.6 I Small Size-G1.6S, G2.5S (Steel)

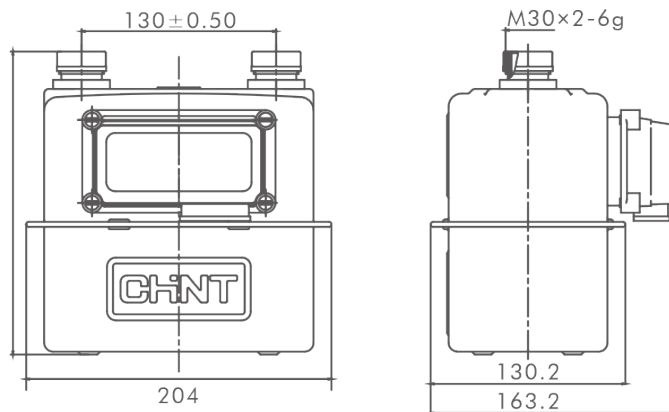
FUNCTION

- Supporting remote reading by Pulse output
- Measurement Accuracy
- Anti Stealing Gas

FEATURES

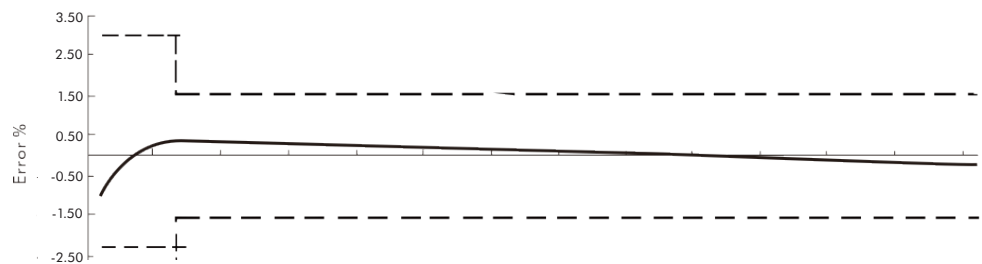


APPEARANCE AND INSTALLATION SIZE



Units: mm

Error Curve



1.6

Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type	
Main index	Specification & type	G1.6	G2.5
Nominal flow-rate (q_n)	m^3/h	1.6	2.5
Max. flow-rate (q_{max})	m^3/h	2.5	4
Min. flow-rate (q_{min})	m^3/h	0.016	0.025
Operating pressure range	kPa	0.5~50	
Max. permissible error	$q_t \leq q \leq q_{max}$ $q_{min} \leq q < q_t$	$\pm 1.5\%$ $\pm 3\%$	
Total pressure loss	Pa	≤ 200	
Max. reading	m^3	99999.9998	
Min. reading	m^3	0.0002	
Cyclic volume	dm^3	0.8	
Accuracy class		1.5 Class	
Weight	kg	1.6	

1.7

Base Meter



1.7 | Wide Center Distance-G1.6S, G2.5S, G4S(Steel)

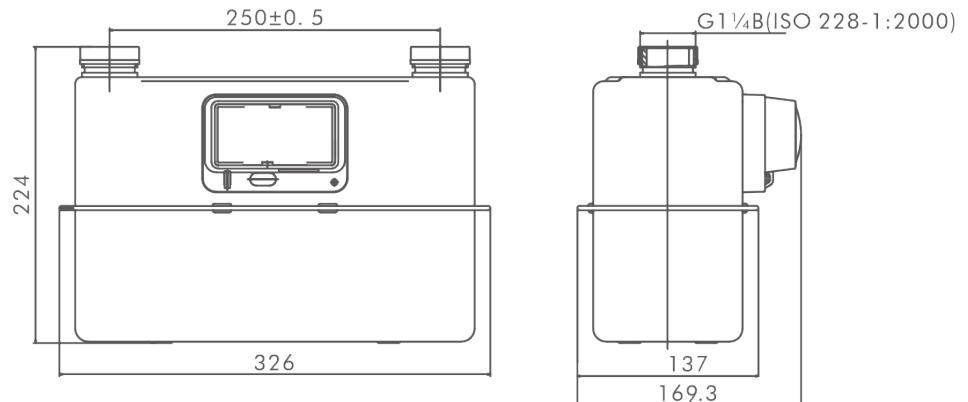
FUNCTION

- 250mm wide center distance
- Long service life
- Separate meter mechanism

FEATURES

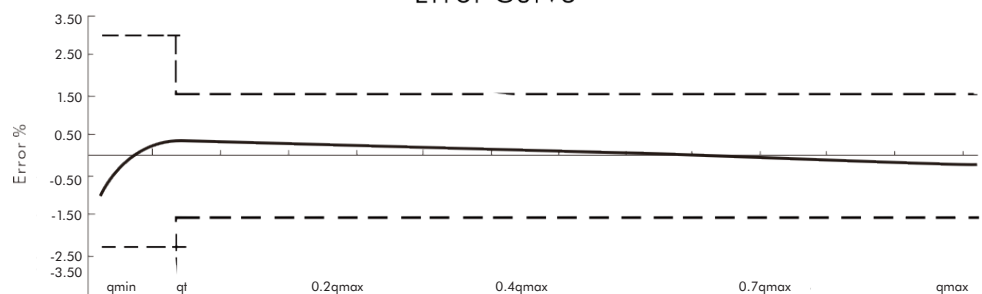


APPEARANCE AND INSTALLATION SIZE



Units: mm

Error Curve



Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	ZT-G1.6S	ZT-G2.5S	ZT-G4S
Nominal flow-rate (qn)	m³/h	1.6	2.5	4
Max. flow-rate (qmax)	m³/h	2.5	4	6
Min. flow-rate (qmin)	m³/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	qt≤q≤qmax qmin≤q<qt	±1.5% ±3%		
Total pressure loss	Pa	≤200		
Max. reading	m³	99999.9998		
Min. reading	m³	0.0002		
Cyclic volume	dm³	1.2		
Accuracy class		1.5 Class		
Weight	kg	2.4		

1.8

Base Meter

1.8 | Commercial-G6S, G10S, G16S, G25S(Steel)

FUNCTION

- Precise measurement, stable metrology, high sensitivity
- Good reliability, long operation life, anti-tampering ability
- Strong anti-corrosion capability

FEATURES



SAFETY



ANTI EXPLOSION

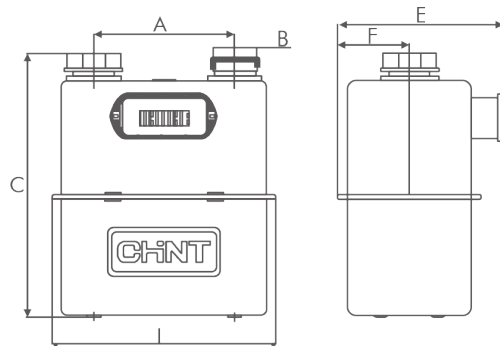


HIGH ACCURACY

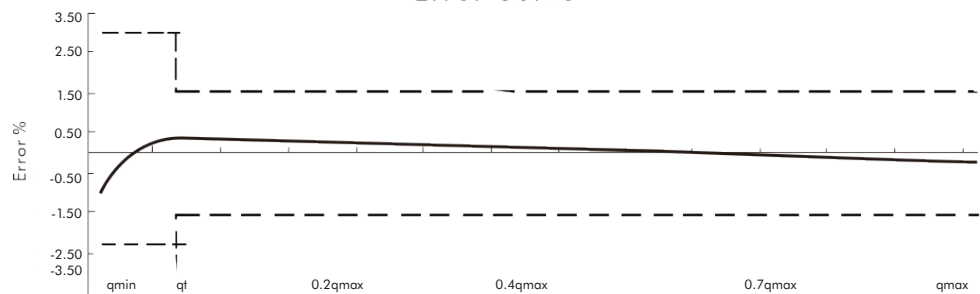
APPEARANCE AND INSTALLATION SIZE

Units: mm

Model	A	B	C	D	E	F
G6S	180	M45×2	249	262	191	77.5
G10S	180	G2	284	310	217	92
G16S	220	G2	333	374	246	105.5
G25S	280	M80×3	412	438	289	129.5



Error Curve



Base Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type			
Main index	Specification & type	G6S	G10S	G16S	G25S
Nominal flow-rate (qn)	m³/h	6	10	16	25
Max. flow-rate (qmax)	m³/h	10	16	25	40
Min. flow-rate (qmin)	m³/h	0.016	0.10	0.16	0.25
Operating pressure range	kPa	0.5~20			
Max. permissible error	qt≤q≤qmax qmin≤q<qt	±1.5% ±3%			
Total pressure loss	Pa	≤200	≤160		
Max. reading	m³	99999.999	99999.999		
Min. reading	m³	0.0002	0.002		
Accuracy class	1.5 Class				
Standard	GB/T6968-2011、JJG577-2012				

IC Card



2.1 | ZG1.6S-1, ZG2.5S-1, ZG4S-1

FUNCTION

- Supporting remote meter reading
- Measurement accuracy
- Anti-stealing gas

FEATURES



SAFETY

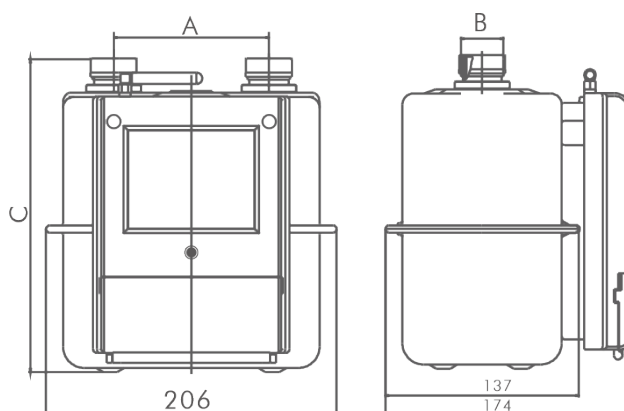
AMR



LOW
CONSUMPTION

APPEARANCE AND INSTALLATION SIZE

A	90±0.50	110±0.50	130±0.50
B	M30×2-6g	G $\frac{3}{4}$ B	WG7/8
C	228		



Units: mm

2.1

IC Card

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	ZG1.6S-1	ZG2.5S-1	ZG4S-1
Nominal flow-rate (q_n)	m^3/h	1.6	2.5	4
Max. flow-rate (q_{max})	m^3/h	2.5	4	6
Min. flow-rate (q_{min})	m^3/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	$q_t \leq q \leq q_{max}$	$\pm 1.5\%$		
	$q_{min} \leq q < q_t$	$\pm 3\%$		
Total pressure loss	Pa	≤ 250		
Max. reading	m^3	99999.999		
Min. reading	m^3	0.0002		
Cyclic volume	dm^3	1.2		
Working voltage	V	DC6V (4pcs #5 Alkaline battery)		
Battery life		< 1 year		
Pulse equivalency		0.1 or 0.01		
Static working current	μA	≤ 20		
Accuracy class		1.5		
Operating range limit		$-20\text{ }^\circ\text{C} \sim +50\text{ }^\circ\text{C}$		
Relative humidity		$\leq 85\%RH$		

3.1

Smart Meter



3.1 | LoRa-ZG1.6S-2,ZG2.5S-2, ZG4S-2

FUNCTION

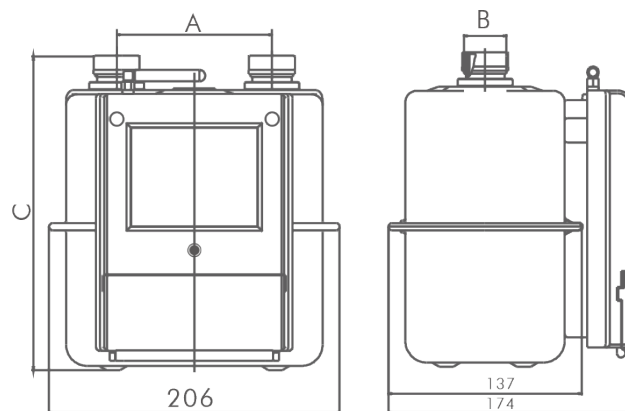
- Data remote transmission
- Connection between meter and HHU or concentrator
- Ultra-low power consumption
- Suitable for complex built environments

FEATURES



APPEARANCE AND INSTALLATION SIZE

A	90±0.50	110±0.50	130±0.50		
B	M26×1.5-6g	M30×2-6g	G¾B	G1B	G1¼B
C	228				226



Units: mm

3.1

Smart Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	ZG1.6S-2	ZG2.5S-2	ZG4S-2
Nominal flow-rate (qn)	m³/h	1.6	2.5	4
Max. flow-rate (qmax)	m³/h	2.5	4	6
Min. flow-rate (qmin)	m³/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	qt≤q≤qmax qmin≤q<qt	±1.5% ±3%		
Total pressure loss	Pa	≤250		
Max. reading	m³	99999.999		
Min. reading	m³	0.0002		
Cyclic volume	dm³	1.2		
Working voltage	V	DC6V（4pcs #5 Alkaline battery）		
Counting sampling method	Reed switch or Hall double pulse			
Pulse equivalency	m3/pulse	0.1 or 0.01		
Static working current	μA	≤20		
Carrier frequency	MHz	ISM Band, 433, 868, 915		
Transmitting power	mW	≤50		
Communication speed	bps	9600		
Communication distance	m	Open field>3000m,Inside building(30~300)m		
Working way	Half-duplex			
Receiving sensitivity	dBm	-120		
Communication mode	LoRa			

3.2

Smart Meter

3.2 | LoRaWAN-G1.6, G2.5, G4

FUNCTION

- Remote valve control
- Remote parameter setting
- Timing upload: anytime of day
- Events detection: magnetic interference, cover opening, overflow

FEATURES



24 HOURLY
FORZEN DATA

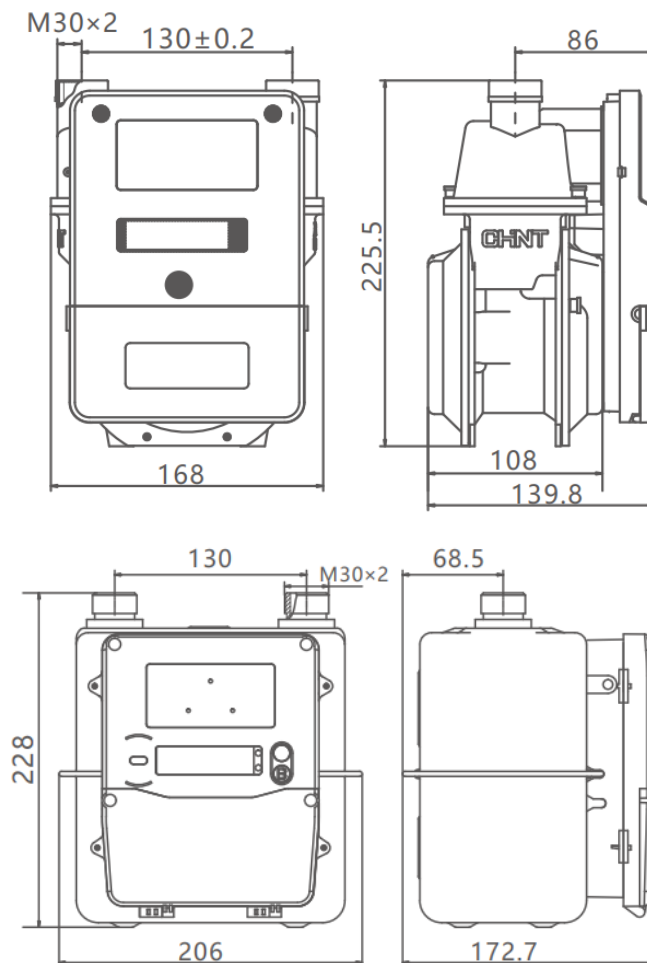


SAFETY



4 ISM BANDS

APPEARANCE AND INSTALLATION SIZE



3.2

Smart Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	G1.6	G2.5	G4
Nominal flow-rate (qn)	m³/h	1.6	2.5	4
Max. flow-rate (qmax)	m³/h	2.5	4	6
Min. flow-rate (qmin)	m³/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	qt≤q≤qmax qmin≤q<qt	±1.5% ±3%		
Total pressure loss	Pa	≤250		
Max. reading	m³	99999.999		
Min. reading	m³	0.0002		
Cyclic volume	dm³	1.2(Steel)	0.9(Aluminum)	
Pulse equivalency		0.1 or 0.01 m³		
Working voltage	V	3.6V(lithium battery)		
Battery life		10-years		
Static working current	μA	<30		
Communication current	mA	<200		
Communication mode		LoRaWAN		
Access mode		ABP, OTAA		
Frequency band		EU 868, EU433, US915, AS430		
Output interface (optional)		Bluetooth, LoRa		
Protection class		IP 65		
Certificate		EN 1359, OIML 137, EN 16314		

3.3

Smart Meter

3.3 I IoT+NFC-ZG1.6-5, ZG2.5-5, ZG4-5

FUNCTION

- Mature technologies
- Replaceable COMM module
- Security detection
- Self develop system
- Support integrate third party

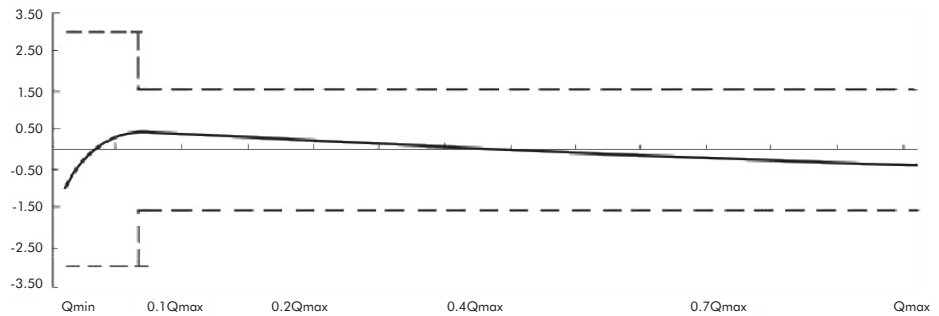
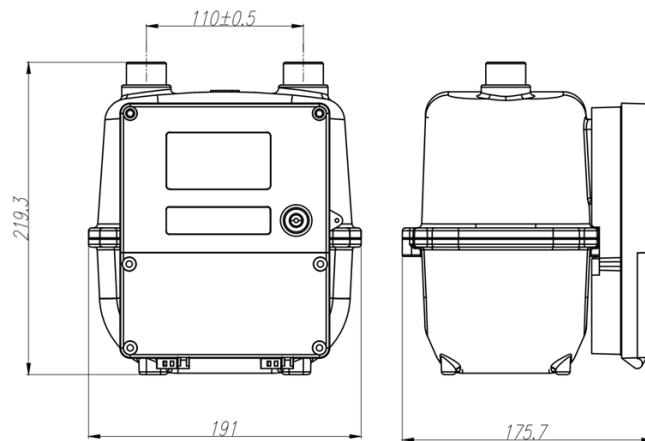
FEATURES



APPEARANCE AND INSTALLATION SIZE

- Installing Size(mm)

Distance between connection center:110;Connection screw:NPT 3/4.



- $Q_{min} \leq Q < Q_t$ $\pm 3\%$
- $Q_t \leq Q \leq Q_{max}$ $\pm 1.5\%$

3.3

Smart Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	ZG1.6-5	ZG2.5-5	ZG4-5
Nominal flow-rate (qn)	m³/h	1.6	2.5	4
Max. flow-rate (qmax)	m³/h	2.5	4	6
Min. flow-rate (qmin)	m³/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	qt≤q≤qmax qmin≤q<qt	±1.5% ±3%		
Total pressure loss	Pa	≤250		
Max. reading	m³	99999.999		
Min. reading	m³	0.0002		
Cyclic volume	dm³	1.2		
Working voltage	V	DC3.6V(lithium battery)		
Clock battery voltage	V	DC3.6V(Lithium battery,optional)		
Battery life		> 10 years (Upload once a day)		
Pulse equivalency		0.1 or 0.01		
Static working current	μA	<30		
Communication current	mA	<200		
Communication mode		NFC, GPRS, NB-IoT		
Protection class		IP 65		
Remote valve control		Open, shut-off		
Automatic valve control		Tampering, magnetic interference, meter cover opened, no power supply		
Alarm		over flow, low voltage of battery		
Data freezing		Depend on customer requirement		
Log		Latest 15 valve activities		
Display		8-digit LCD, icons		
Button		Assist to open valve, switch screen, trigger to communicate		
Seismic detection		Optional		

3.4

Smart Meter



3.4 | GPRS-ZG1.6S-5, ZG2.5S-5, ZG4S-5

FUNCTION

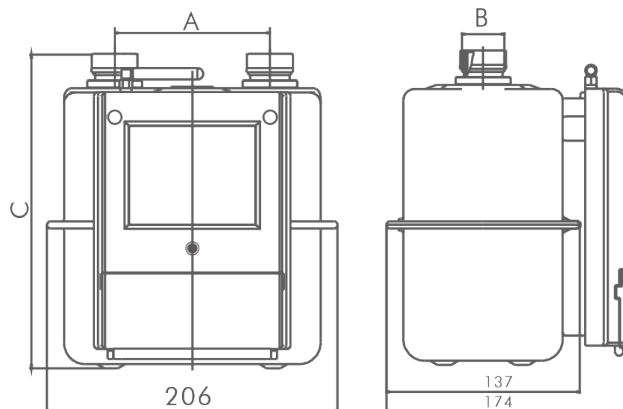
- Remote control and communication
- Real-time measurement
- Low power consumption
- Anti-magnetic interference

FEATURES



APPEARANCE AND INSTALLATION SIZE

A	90±0.50	110±0.50	130±0.50		
B	M26×1.5-6g	M30×2-6g	G¾B	G1B	G1¼B
C	228				226



Units: mm

3.4

Smart Meter

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	ZG1.6S-5	ZG2.5S-5	ZG4S-5
Nominal flow-rate (qn)	m³/h	1.6	2.5	4
Max. flow-rate (qmax)	m³/h	2.5	4	6
Min. flow-rate (qmin)	m³/h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	qt≤q≤qmax qmin≤q<qt	±1.5% ±3%		
Total pressure loss	Pa	≤250		
Max. reading	m³	99999.999		
Min. reading	m³	0.0002		
Cyclic volume	dm³	1.2		
Working voltage	V	DC6V（4pcs #5 Alkaline battery）		
Battery life		<1 year(Upload frozen data once a day)		
Pulse equivalency		0.1 or 0.01		
Static working current	μA	<30		
GPRS communication current	mA	<200		
Communication mode		GPRS		
Communication frequency band		GSM850/EGSM900/DCS1800/PCS1900		
Transmitting power		GSM850（2W）, EGSM900（2W）, DCS1800(1W), PCS1900（1W）		
Receiving sensitivity	dBm	-108		
GPRS Data transfer rate	kbps	85.6		
Communication distance	m	GSM Network full coverage		

3.5

Smart Meter



3.5 | NB-IoT-ZG1.6S-7, ZG2.5S-7, ZG4S-7

FUNCTION

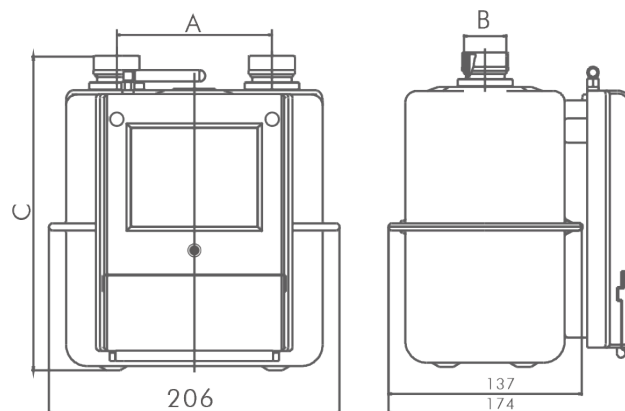
- Remote valve control and price adjustment
- Unlimited communication distance
- Active reporting of abnormal information

FEATURES



APPEARANCE AND INSTALLATION SIZE

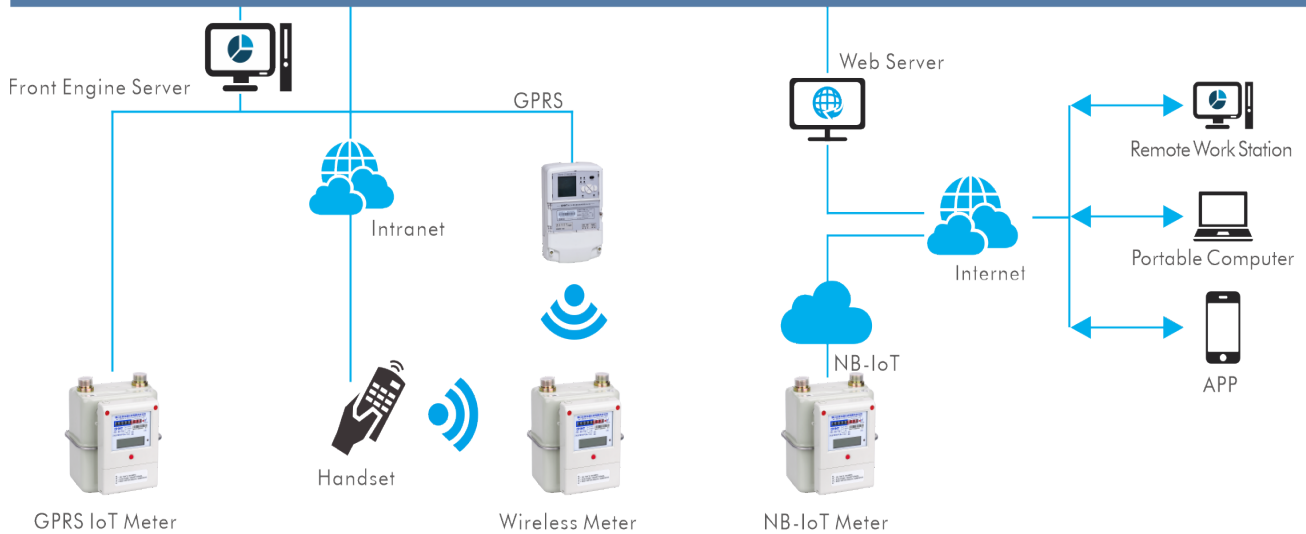
A	90±0.50	110±0.50	130±0.50		
B	M26×1.5-6g	M30×2-6g	G¾B	G1B	G1¼B
C		228			226



Units: mm

MAIN TECHNICAL PARAMETERS

Main Index		Specification & Type		
Main index	Specification & type	ZG1.6S-7	ZG2.5S-7	ZG4S-7
Nominal flow-rate (qn)	m ³ /h	1.6	2.5	4
Max. flow-rate (qmax)	m ³ /h	2.5	4	6
Min. flow-rate (qmin)	m ³ /h	0.016	0.025	0.04
Operating pressure range	kPa	0.5~50		
Max. permissible error	qt≤q≤qmax	±1.5%		
	qmin≤q<qt	±3%		
Total pressure loss	Pa	≤250		
Max. reading	m ³	99999.999		
Min. reading	m ³	0.0002		
Cyclic volume	dm ³	1.2		
Working voltage	V	DC6V (4pcs #5 Alkaline battery)		
Clock battery voltage	V	DC3.6V (Lithium battery: ER14250)		
Battery life		<1 year(Upload frozen data once a day)		
Pulse equivalency		0.1 or 0.01		
Static working current	μA	<30		
Communication current	mA	<200		
Communication mode		NB-IoT		
Protection class		IP 65		



SYSTEM FEATURE

- In line with the development of the gas industry and the needs of the market, Chint has overall gas solution that can solve customers' problems from three aspects: smart remote meter, data transmission and daily business management. The solution includes the following.
- Provide various types of gas meters for different scenarios, including residential users and industrial and commercial users. The system supports integrated management of various types of gas meters, including wireless remote meter, GPRS IoT meter, NB-IoT meter. It also realizes remote meter reading and other control operations.
- The management system supports both prepaid and postpaid mode. The gas used can be displayed by price or volume. Customers can use mobile phone to do the billing inquiry and recharge payment.
- The system supports multi-level pricing which can implement multiple sets of pricing according to user types and different areas, and supports the multi-level gas volume according to the number of households.
- The system provides real-time monitoring, status query, and abnormal alarm functions, enabling users to keep abreast of system operation and provides intuitive GIS navigation.
- The system provides data analysis function and statistical reports, and provides web api interfaces to facilitate integration with third-party systems.

Qualification & Certificate

CERTIFICATION

Chint got the needed certification which for access to overseas market

01

02

01 EN: 1359

02 MID (B)

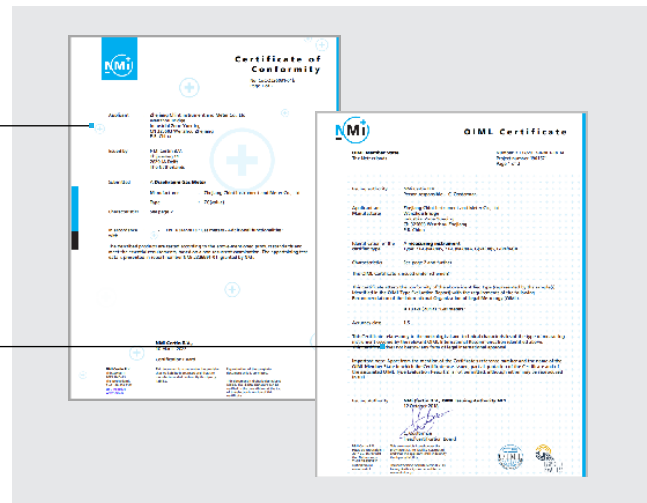


01

02

01 EN: 16314

02 OIMLR 137



01

01 ATEX



Durability 8000hours Explosion Protection Certificate Zone 2: II 3 G Ex ic IIA T3 Gc

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