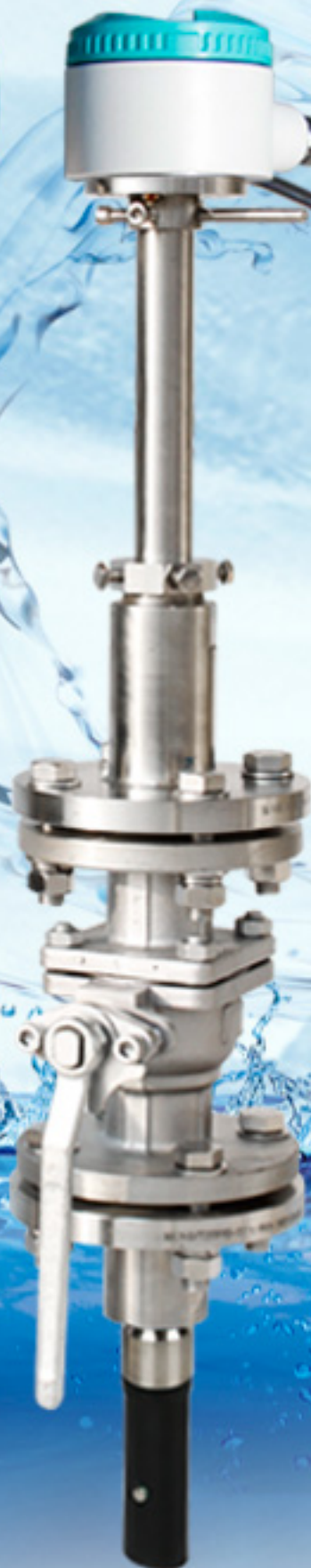


# INSERTION ELECTROMAGNETIC FLOW METER



**Economic  
Alternative  
To Full Bore  
Flowmeter**





New High-tech  
Enterprise



CE



ATEX



ISO

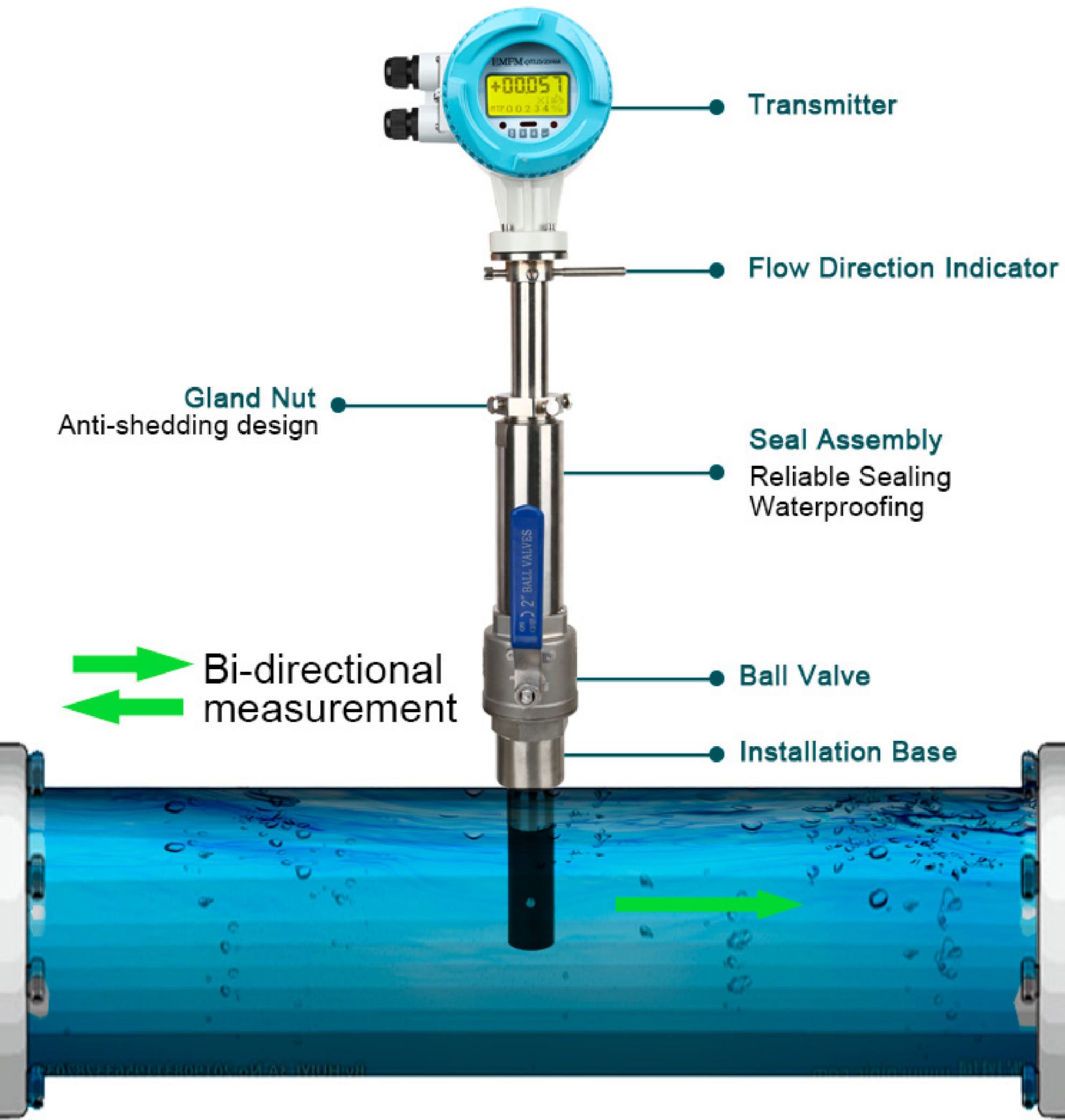
## APPLICATIONS

- Applied to conductive liquid
- Widely used for tap-water, waste water, food & beverage and many other industrial fluid.



# PRODUCT FEATURES

## 01. High Accuracy 1.5% No moving part



## 02. Wide Range Measurement Adjustable Depth

**0.5**  
m/s

~

**15**  
m/s

**DN100mm-DN3000mm**



**Pressure up to 16 bar**

## 03. Hot Tapping Application

No need to cut the flow  
Small pressure loss

Easy and quick to install



Thread ball valve G 2"



2" Flange ball valve

## 04. ABS/PP Probe, Max 80degC

Integrated injection molding,  
good abrasion resistance

Built-in reference electrode,  
make sure well grounding

Electrode



# 05. LCD Display

LCD backlight makes it easy to read day and night



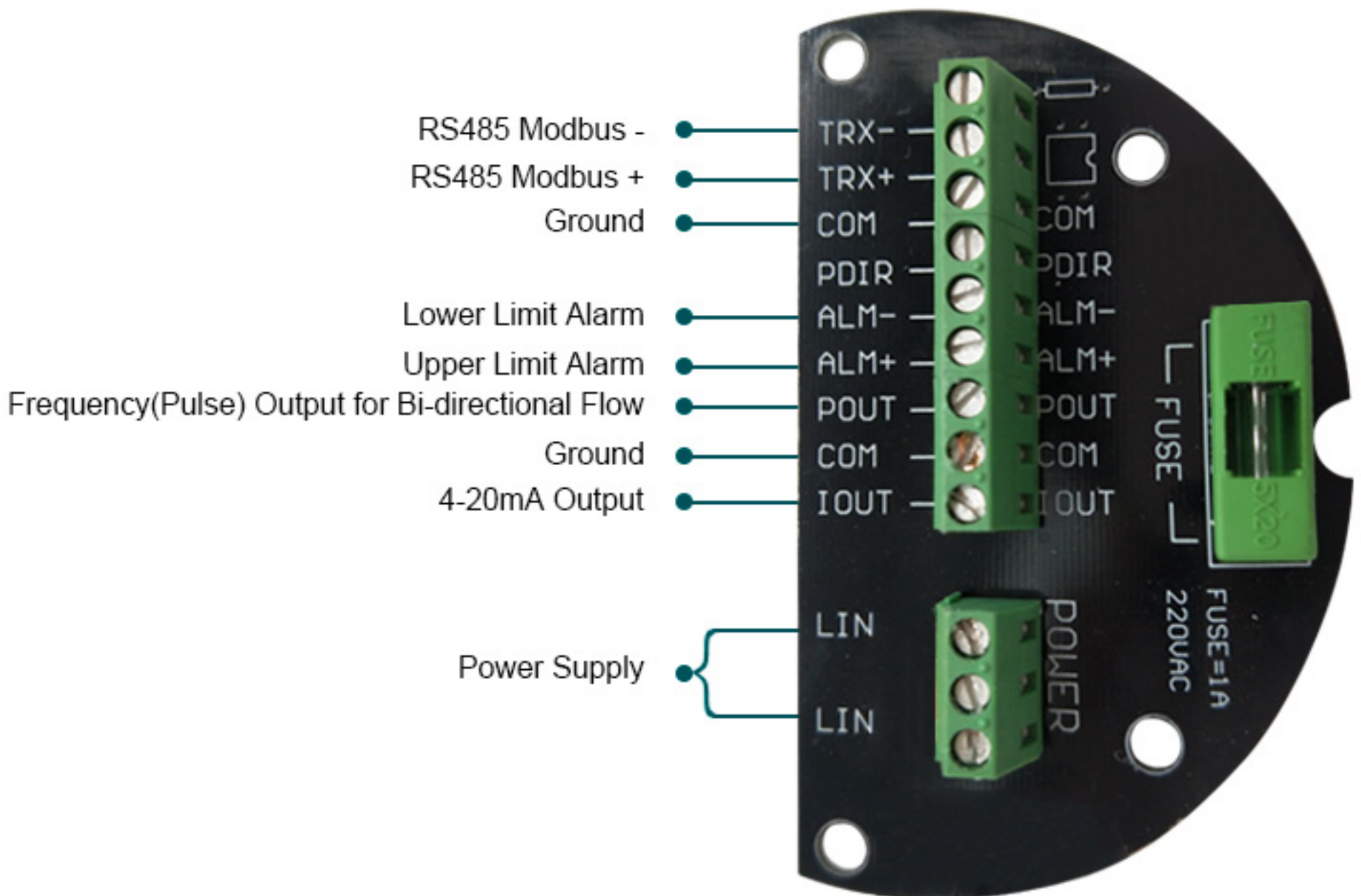
● Multiple Flow Units Selectable

Instantaneous Flow

Flow Unit

- Flow Velocity (FLS)
- Flow Percentage (FQP)
- Ratio of Emptiness (MTP)
- Forward And Reverse Integated Volumes
- Difference Of Forward And Reverse
- Alarm

# 06. Multi-Language, Module Design, Multifunctional Output



## 07. Optional Functions



## ENVIRONMENTAL TEST

High & Low Temperature Test, Different Humidity Test ,  
Make sure instruments can resist any harsh environment



# MORE PRODUCTS



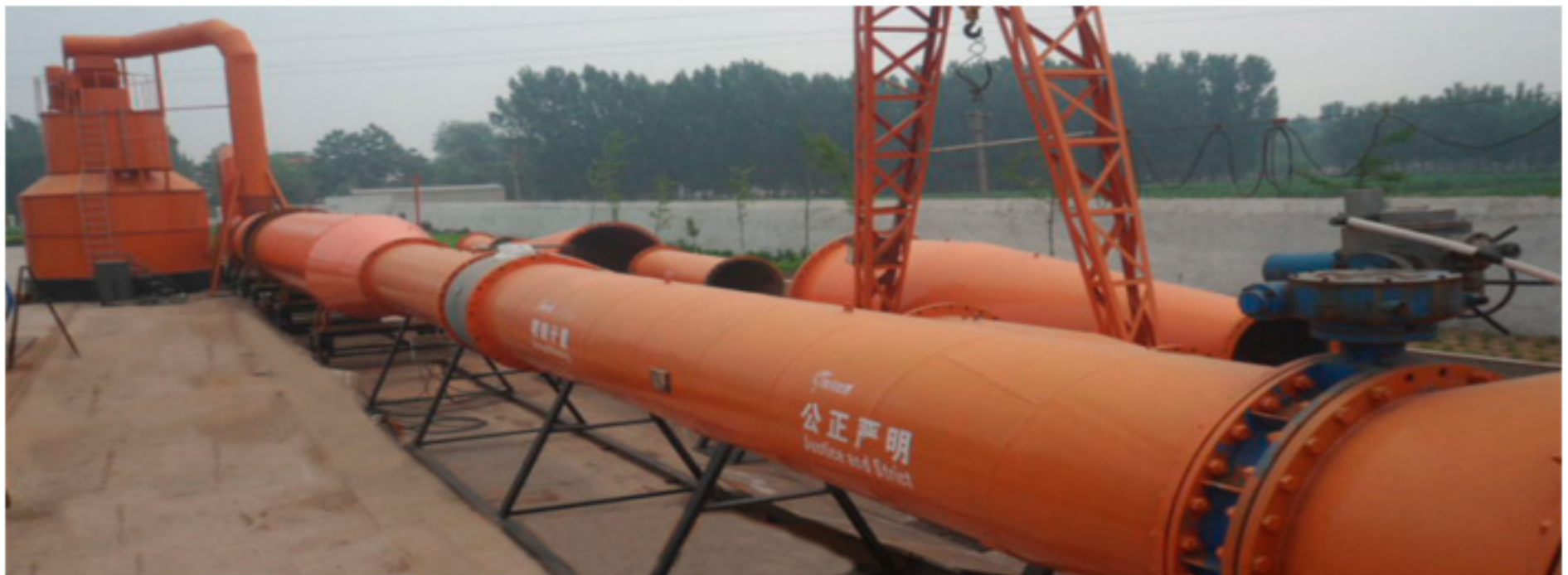


# CALIBRATION



**DN350-DN700 & DN65-DN300**

**0.1 % Weighing and volumetric device to ensure accurate calibration**



**DN800 ~DN3000 Liquid Flow Meter Calibration Device**

# PRODUCT PARAMETER

## Main Performances Parameters

Size	DN100mm-DN3000mm
Nominal Pressure	1.6Mpa
Accuracy	1.5%
Probe	ABS, Polyurethane
Electrode	SUS316L, Hastelloy B, Hastelloy C
Structure Type	Integral type, remote type
Medium Temperature	-20~+80degC
Ambient Temperature	-20~+60degC
Ambient Humidity	5~100%RH(Relative humidity)
Measuring Range	Max 15m/s
Conductivity	>5us/cm
Protection Class	IP65(Standard); IP68(Optional for remote type)
Process Connection	2" Thread(Standard), 2" Flange(Optional)
Output Signal	4-20mA/Pulse
Communication	RS485(Standard), HART(Optional), GPRS/GSM(Optional)
Power Supply	AC220V(Can be used for AC85-250V) DC24V(Can be used for DC20-36V) DC12V(Optional), Battery powered 3.6V(Optional)
Power Consumption	<20W
Alarm	Upper Limit Alarm / Lower Limit Alarm
Self-diagnosis	Empty Pipe Alarm, Exciting Alarm
Explosion Proof	ATEX

## Main Performances Of The Electrode Materials

Electrode material	Applications
SUS316L	Applicable in water, sewage and low corrosive mediums. Widely used in industries of petrol, chemistry, carbamide,etc
Hastelloy B	Having strong resistance to hydrochloric acid of any consistence which is below boiling point. Resistable against vitriol, phosphate, hydrofluoricacid, organic acid etc which are oxidable acid, alkali and non-oxidable salt.
Hastelloy C	Be resistant to oxidable acid such as nitric acid, mixed acid as well as oxidable salt such as Fe <sup>+++</sup> , Cu <sup>++</sup> and sea water.

## Velocity-Flow Range Table

Size (mm)	Flow Range & Velocity Table							
	0.1m/s	0.2m/s	0.5m/s	1m/s	4m/s	10m/s	12m/s	15m/s
100	2.83	5.65	14.13	28.26	113.04	282.60	339.1	423.90
125	4.42	8.83	22.08	44.16	176.63	441.56	529.9	662.34
150	6.36	12.72	31.79	63.59	254.34	635.85	763.0	953.78
200	11.3	22.61	56.52	113.04	452.16	1130.40	1356	1696
250	17.66	35.33	88.31	176.53	706.50	1766.25	2120	2649
300	25.43	50.87	127.2	254.34	1017	2543.40	3052	3815
350	34.62	69.24	173.1	346.19	1385	3461.85	4154	5193
400	45	90	226.1	452	1809	4522	5426	6782
450	57	114	286.1	572	2289	5723	6867	8584
500	71	141	353.3	707	2826	7065	8478	10598
600	102	203	508.7	1017	4069	10174	12208	15260
700	138	277	692.4	1385	5539	13847	16617	20771
800	181	362	904.3	1809	7235	18086	21704	27130
900	229	458	1145	2289	9156	22891	27469	34336
1000	283	565	1413	2826	11304	28260	33912	42390
1200	407	814	2035	4069	16278	40694	48833	61042
1400	554	1108	2769	5539	22156	55390	66468	83084
1600	723	1447	3617	7235	28938	72346	86815	108518
1800	916	1831	4578	9156	36625	91562	109875	137344
2000	1130	2261	5652	11304	45216	113040	135648	169560
2200	1368	2736	6839	13678	54711	136778	164134	205168
2400	1628	3256	8139	16278	65111	162778	195333	244166
2600	1910	3821	9552	19104	76415	191038	229245	286556
2800	2216	4431	11078	22156	88623	221558	265870	332338
3000	2543	5087	12717	25434	101736	254340	305208	381510

Remark: Suggest flow velocity range 0.5m/s - 15m/s

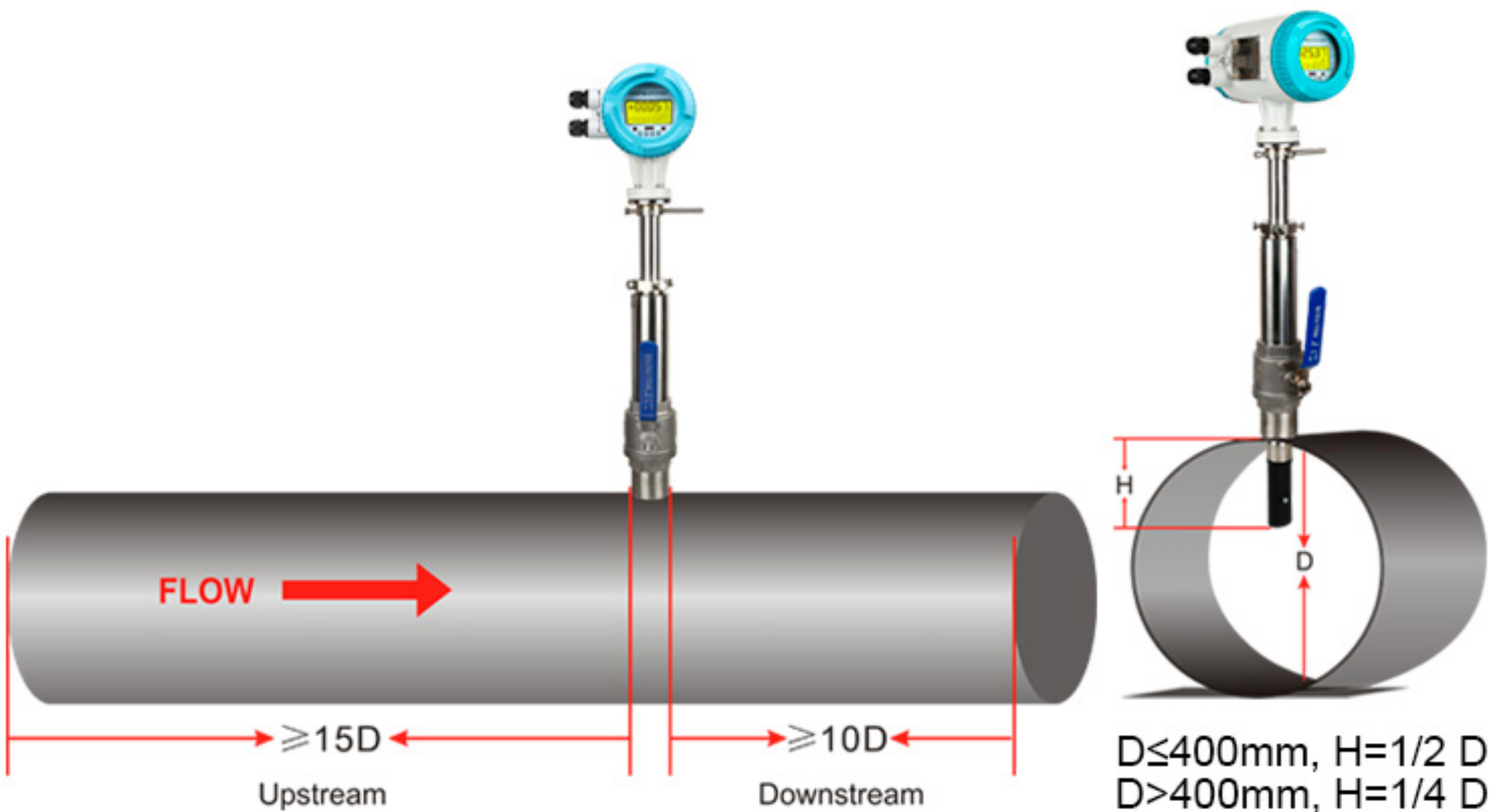
# Model Select

		Selection										
QTLD/C		XXX	X	X	X	X	X	X	X	X	X	
Caliber (mm)	DN100-DN3000 Reference Code, please check caliber code table 13											
Nominal Pressure	1.6Mpa		3									
	Others		6									
Body Material	SS304			1								
	SS316			2								
Electrode Material	SUS316L				1							
	Hastelloy B				2							
	Hastelloy C				3							
Probe Material	ABS					1						
	Polypropylene					2						
Connection	Thread ball valve						1					
	Flange ball valve						2					
Structure Type	Integral							1				
	Remote							2				
Power Supply	AC220V									A		
	DC24V									D		
	3.6V Lithium Battery									E		
	Others									G		
Output Signal	4-20mA/Pulse,RS485										A	
	4-20mA,HART										B	
	GPRS										C	
	GSM										D	
	Others										E	
Ex-proof	Without Ex-proof											0
	With Ex-proof											1
Protection	IP65											A
	IP68											B

Optional Selection	
X	
1	Installation Accessories
2	Others

Table 13	Caliber	100	125	150	200	250	300	350	400	450	500	600	700	800	900
Caliber Code Table	Code	101	125	151	201	251	301	351	401	451	501	601	701	801	901
Table 13	Caliber	1000	1100	1200	1400	1500	1600	1800	2000	2200	2400	2600	2800	3000	
Caliber Code Table	Code	102	112	122	142	155	162	182	202	222	242	262	282	302	

# Installation



# CERTIFICATE

**IEP ENERGY PETROLEUM INSTITUTE** 

### EU-Type Examination Certificate

(1) **Equipment or Protective Systems Intended for use in Potentially Explosive Atmospheres**  
Directive 2014/54/EU

(2) EU-Type Examination Certificate Number: **IEP 18 ATEX 908**

(3) Product: **QTLD-Series, Electromagnetic Flowmeter** Mark: **Q&T**

(4) Firm Name: **KAIFENG QINGTIANWEIYE FLOW INSTRUMENT CO., LTD.**

(5) Firm Address: **No.1 Wanghai Road, HuangLong Industry Park, Kaifeng, Henan, CHINA**

(7) This product and any acceptable variation therein is specified in the schedule to this certificate and the documents there in referred to.

(8) The IEP (Institute Energy Petrol Geomatic, Nonflamable or Tokoh Himpunan Organisasi) Co., Ltd. No. certified body number 2234 in accordance with Article 17 of the Directive 2014/54/EU of European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive. The examination and test results are recorded in confidential Report No: IEP/Rp/18-10-100 date 02/07/2018.

(9) Compliance with Essential Health and safety requirements has been assured by compliance with:  
**EN 60079-0 : 2013, EN 60079-1 : 2014**

(10) If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specified Conditions for Safe Use specified in the schedule to this certificate.

(11) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance to the Directive 2014/54/EU. Further requirements of the directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

(12) The marking of the equipment or protective system shall include the following:



Responsible Person:  Date of Issue: **03/08/2018**



IEP (Institute Energy Petrol Geomatic, Nonflamable or Tokoh Himpunan Organisasi) Co., Ltd. No. 278611 No. 1st Floor, 2nd Floor - UMRK - 17100017  
Tel: +86 370 431145-86, Fax: +86 370 431171-79, E-mail: iep@iep.com.cn, T: 45  
This certificate is granted subject to the general conditions of the IEP Energy Petroleum Institute. This certificate may only be reproduced in its entirety and without any change, schedule included. You can check accuracy of this document at [www.iep.com.cn](http://www.iep.com.cn)  
Page 1 / 1

**QTLD Series Electromagnetic Flow Meter ATEX**

**Safenet Limited**  
Denford Garage, Denford, Kettering, Northants, NN14 4EQ, U.K.  
Tel: +44 1532 732 174, E-mail: [info@safenet.co.uk](mailto:info@safenet.co.uk), Website: [www.safenet.co.uk](http://www.safenet.co.uk)



### Certificate of Conformity

This is to certify that

**Kaifeng Qingtianweiyeye Flow Instrument Co., Ltd.**  
No. 1 Wanghai Road, HuangLong Industry Park, Kaifeng, Henan, China

Has had a range of Electromagnetic Flowmeters examined with regards to the Low Voltage Directive 2014/53/EU.

With reference to model **QTLD**

Manufactured by:  
**Kaifeng Qingtianweiyeye Flow Instrument Co., Ltd.**  
No. 1 Wanghai Road, HuangLong Industry Park, Kaifeng, Henan, China

- The technical documentation supplied contains all the relevant information
- Having verified that the appropriate tests have been conducted, with regard to the QTLD representing the range
  - The example has been manufactured in accordance with the technical documentation and may be used under the intended conditions.
  - The standards and transported standards as the case may be, have been applied correctly.
  - The example has conformity with the Principle Elements of Safety Objectives of the Low Voltage Directive, 2014/53/EU.
  - The report, LCB1502002009, shows compliance to EN 61010-1:2010 which is harmonised under the Low Voltage Directive, 2014/53/EU.
  - The technical documentation supplied contains all the information required to include the following models QTLD, QTLDC, QTLDD, QTLDD, QTLDD, QTLDD, QTLDD and QTLDD.
  - The review date for this certificate is 03/03/2023.

Certificate Number: **6023120716**  
Date: **18/07/2016**

Signed for Safenet Limited  
  
Peter Mitchell  
Technical Manager





This Document remains the property of Safenet Ltd and will be returned to them if so requested. Safenet will ensure the continued compliance of the machinery on a 5 yearly cycle to check for changes in the state of the art.

**QTLD Series Electromagnetic Flow Meter CE**



# PACKING & DELIVERY



Moisure Proof & Shockproof Package  
Safety Delivery By Sea/ Air/ Express

# FIVE-STAR PRAISE

Supplier Service: **Very satisfied** (5 stars)

01 Dec 2019

On-time Shipment: **Very satisfied** (5 stars)



kaifeng qingtianweiye eletromagnetic flow meter

★★★★★

wonderful service,good product

👍 0

Supplier Service: **Very satisfied** (5 stars)

10 Sep 2019

On-time Shipment: **Very satisfied** (5 stars)



Remote Reading Modbus Digital Water Flow Meter

★★★★★

nice purchase experience ,and super high quality products . tks so much for ms sunshine 's professional suggestion

👍 0

Supplier Service: **Very satisfied** (5 stars)

21 Jan 2019

On-time Shipment: **Very satisfied** (5 stars)



magnetic flowmeter

★★★★★

I am impressed for this transaction,i like the products and service.

👍 0

Supplier Service: **Very satisfied** (5 stars)

03 Jan 2019

On-time Shipment: **Very satisfied** (5 stars)



make electronic measure device remote type sulfuri...

★★★★★

it is always my great pleasure to cooperate with Q & T, we hope could grow together with them in 2019 and get more orders!

👍 0

Supplier Service: **Very satisfied** (5 stars)

21 Dec 2018

On-time Shipment: **Very satisfied** (5 stars)



DN200 mag flow meter

★★★★★

Cooperated with this supplier for more than 8 years,always satisfying products and service!

👍 0

**Buyer Feedback**

# ABOUT US

## CHINA LEADING FLOWMETER EXPORT BASE

Flow Instrument One-Stop Purchase Platform

