

INSERTION ELECTROMAGNETIC FLOW METER

Economic
Alternative
To Full Bore
Flowmeter





New High-tech
Enterprise



CE



ATEX



ISO

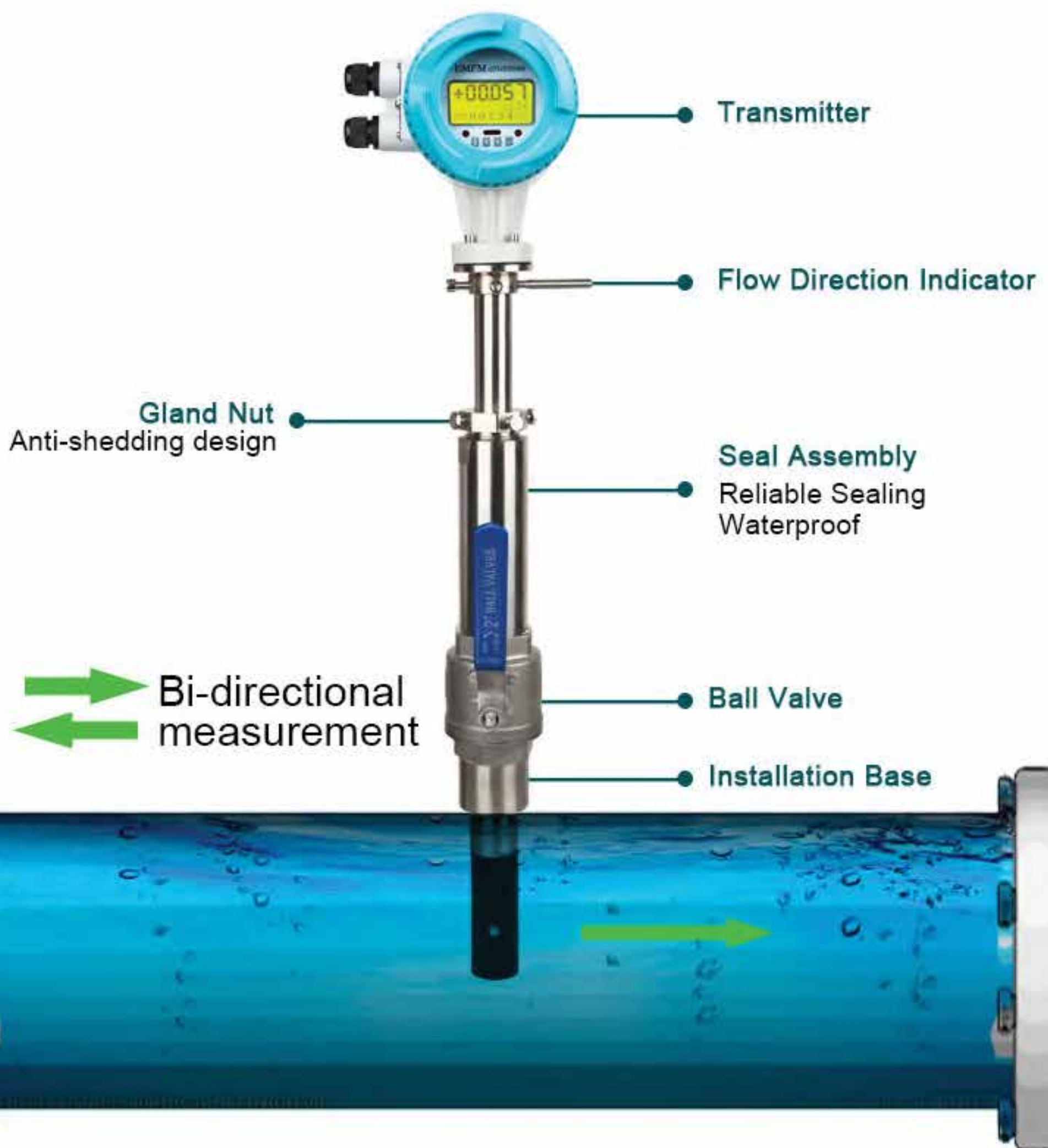
APPLICATIONS

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



PRODUCT FEATURES

01. High Accuracy 1.5% No moving parts



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



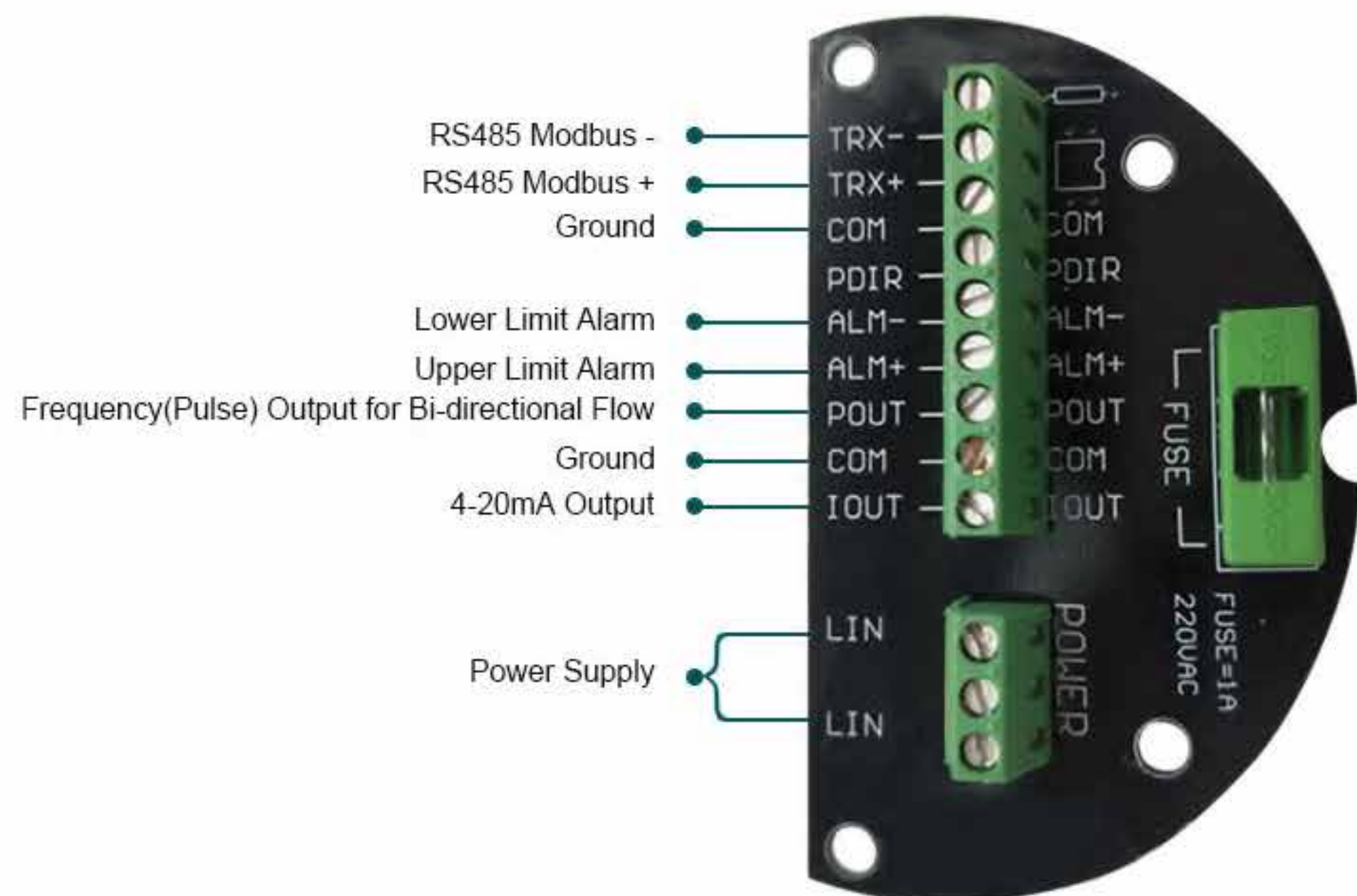
Electrode

05. LCD Display

LCD backlight makes it easy to read day and night



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 environments



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, polypropylene
Electrode	SUS316L, Hastelloy B, Hastelloy C
Structure Type	Integral type, remote type
Medium Temperature	-20~+80 degC
Ambient Temperature	-20~+60deg C
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	Application
SUS316L	Applicable to industrial/municipal water, wastewater and low corrosive mediums. Widely used in petroleum, chemical industries.
Hastelloy B	Strong resistance to hydrochloric acids below the boiling point. Resist against oxidable acids, alkali and non-oxidable salts. For instance, vitriol, phosphate, hydrofluoric acids, and organic acids.
Hastelloy C	Exceptional resistance to strong solutions of oxidizing salts and acids. For example, Fe+++ , Cu++ , Nitric acids, mixed acids

• Velocity-Flow Range Table

Size	Flow Range & Velocity Table							
(mm)	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: Recommend flow velocity range 0.5m/s - 15m/s

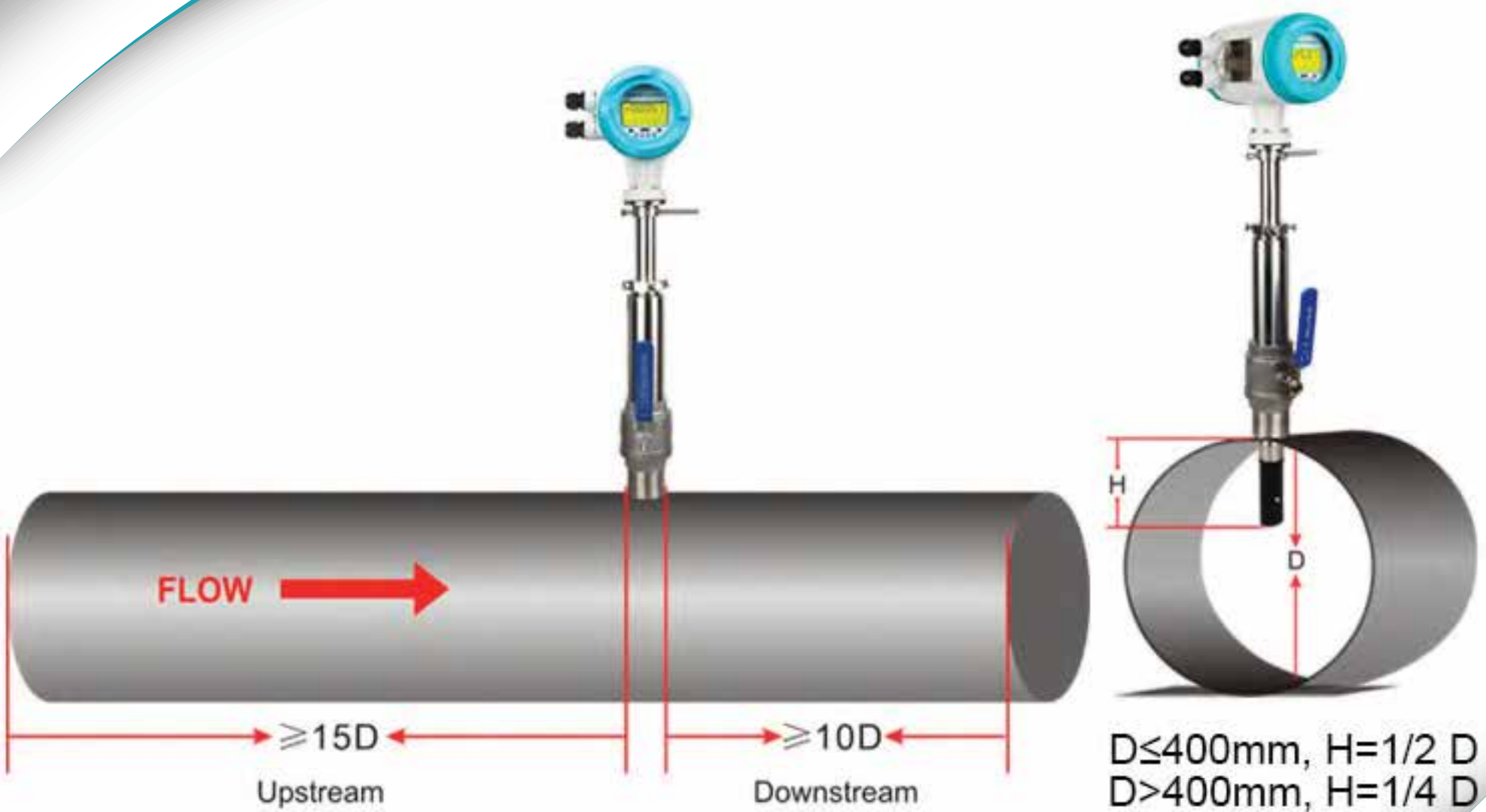
Model Select

		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

IEP

ATEX

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 0009

(3) Product: QTLDN-type, Electromagnetic Flowmeter - Multi-4x4.5

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

(5) Firm Address: No.1 Wangshu Road, Huanglong Industry Park, Kaifeng, Henan, CHINA

(6) This product and any acceptable variation therein is specified in the schedule to this certificate and the documents thereto is referred to:

(7) The IEP (Institute Energy Petrolium Institute, Northhampton Road, Northants, NN14 4EQ, U.K.), notified body, notified under 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 certificate Report No. IEP/Rp/18-011400 dated 07.07.2018.

(8) Compliance with Essential Health and safety requirements has been assessed by compliance with:

EN 60079-0:2013, EN 60079-1:2014

(9) If the sign "CE" is placed on the certificate number, it indicates that the product, in addition to Special Conditions for Safe Operation as set out in this certificate.

(10) This EU-Type Examination Certificate relates only to the design and construction of the specified product in accordance with 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.

(11) The marking of the equipment or protective systems shall include the following:

II 2G Ex ib, IIB T4 Ga

Responsible Person:

Ningning Tang

Date of Issue: 08.08.2018

IEP (Institute Energy Petrolium Institute, Northhampton Road, Northants, NN14 4EQ, U.K.)
Tel: +44 (0)1202 332 110 Fax: +44 (0)1202 332 111 Email: iep@iep.co.uk
This certificate is given subject to the general conditions of the IEP Group. Further conditions (that certificate also, etc.) be dependent on the product and/or other design-related conditions. You can check details of the document by www.iep.co.uk

QTLD Series Electromagnetic Flow Meter ATEX

Safenet Limited

Denford Garage, Denford, Kettering, Northants, NN14 4EQ, U.K.

Tel: +44 (0)1202 332 110 Fax: +44 (0)1202 332 111 Email: iep@iep.co.uk Website: www.iep.co.uk

Certificate of Conformity

This is to certify that

Kaifeng Qingtianweiyeye Flow Instrument Co., Ltd.

No. 1 Wangshu Road, Huanglong Industry Park, Kaifeng, Henan, China

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

With reference to model **QTLD**

Manufactured by:

Kaifeng Qingtianweiyeye Flow Instrument Co., Ltd.

No. 1 Wangshu Road, Huanglong Industry Park, Kaifeng, Henan, China

1. The technical documentation supplied contains all the relevant information.
2. Having verified that the appropriate tests have been conducted, with regard to the QTLD representing the range:
2.1. The example has been manufactured in accordance with the technical documentation and may be used under the intended conditions.
2.2. The standards and imported standards as the case may be, have been applied correctly.
2.3. The example has complied with the Principle Elements of Safety Objectives of the Low Voltage Directive 2014/53/EU.
2.4. The report, IEC 60335-1:2014, shows compliance to EN 60335-1:2014 which is harmonized under the Low Voltage Directive, 2014/53/EU.
2.5. The technical documentation supplied contains all the information required to include the following models: QTLD, QTLD-C, QTLD-D, QTLD-G, QTLD-S, QTLD-TAC and QTLD-TAC.

3. The review date for this certificate is 05/05/2020.

Certificate Number: 6023120316

Date: 18/07/2016

Signed for Safenet Limited:

Peter McNicol
Technical Manager

CE

Notwithstanding the property of Safenet Ltd and will be subject to Item 7 in the report. Safenet will ensure the continued compliance of the machinery on a 5 year 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

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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

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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 who hope could grow toge ther 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!

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Buyer Feedback

ABOUT US

CHINA LEADING FLOWMETER EXPORT BASE

Flow Instrument One-Stop Purchase Platform

