JUJEA®

Vortex Flow Meter

PRECISION INSTRUMENTS, ACCURATE MEASUREMENT

• ANHUI JUJIE AUTOMATION TECHNOLOGY CO., LTD. •

ABOUTUS Introduction

Anhui Jujie Automation Technology Co., Ltd. is located in Wuhu, Anhui Province, the city of makers. After ten years, Jujie Automation has continued to deepen its presence in the field of industrial automation. The annual production and sales volume of its newly launched liquid turbine flowmeters is over 10,000 units, and its paperless recording instruments have obtained multiple patent certifications and third-party certification tests. Jujie Automation carefully grasps every detail and is committed to providing users with considerate products and services.

Certificate

Since its establishment, the company has applied for more than 10 patents, 8 software copyrights,and 3 registered trademarks. In 2023, the company passed the honorary titles of National Science and Technology Small and Medium Enterprises and National High-tech Enterprises. The company has also passed various certifications such as SGS, TUV, CE, CPA, ISO9001, ISO14001, ISO45001 and explosion-proof certifications for multiple products, laying a solid foundation for the development of the brand.

Factory

The 2,500-square-meter factory is equipped with various testing and calibration devices to ensure the quality of our products. It also has professional production and assembly lines and a complete warehousing system to protect our products.

Liquid flow calibration device

Small liquid flow calibration device

Gas flow calibration device

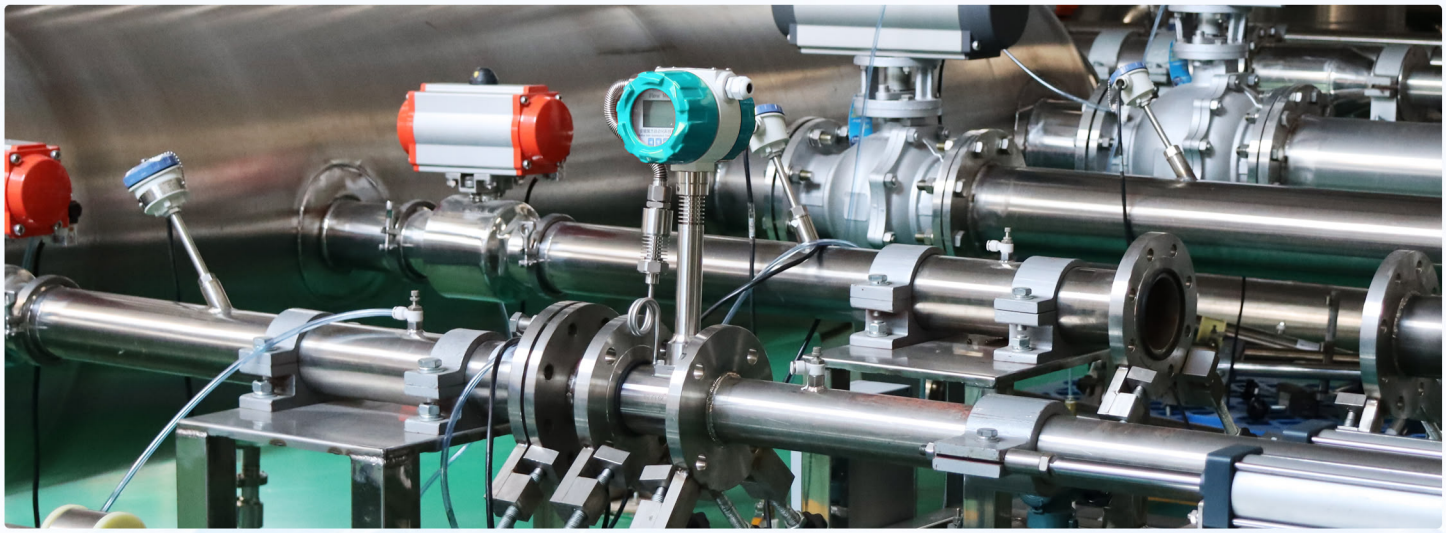
Workshop scene

Adequate stock and fast delivery

JUJEA®

Vortex flow meter

The sonic nozzle gas flow calibration device issued by the provincial Bureau of Metrology



Qualification

Certificate – Сертификат – 證明書 – Certificat – 증명서 – 証明書

Certificate of Compliance

No. 0P210630.AJADN10

Certificate's Holder: Anhui JuJie Automation Technology Co., Ltd. Room 07, I-Shaped Factory, Wuhu Batong Science and Technology Park, No. 98, Guandoumen Road, Jiujiang District Economic Development Zone, Jiujiang District, Wuhu, Anhui, China

Certification ECM Mark:

Product: Flowmeter

Model(s): GTLWGY, GTLUG8, GTLDG, GTLWQ, GTUL30, GTLZ, GTLC, GTLUX, GTTMF, GTGF (see the following annex)

Verification to: Standard: EN 61010-1:2010+A1:2019

related to CE Directive(s): 2014/35/EU (Low Voltage)

Issuance date: 30 June 2021

Expiry date: 29 June 2026

Ente Certificatore Macchine Srl

防爆合格证

CONFORMITY CERTIFICATE OF EXPLOSION-PROOF

证号 CB19. 1894

产品名称 涡街流量计

型号及规格 GTLUGB

防爆标志 Ex d ⅡC T6 Gb

技术文件 Q/JJ 001-2019

图号 LUGB-000

备注 额定电压：DC24V。

发给：安徽聚杰自动化科技有限公司

本证失效日期：2024-10-08

发证日期：2019-10-08

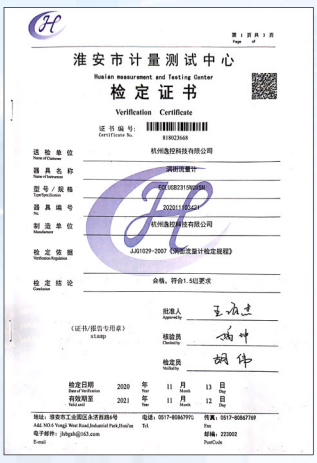
中心印章

中心主任

国家防爆产品质量监督检验中心（天津）

(石油和化学工业电气产品防爆质量监督检验中心)

National Ex-Product Quality Supervision and Inspection Center(TianJin)



淮安市计量测试中心

Huian measurement and Testing Center

检定证书

Verification Certificate

证书编号：B18023668

送检单位 杭州逸控科技有限公司

器具名称 涡街流量计

型号/规格 GTLUGB23150

器具编号 20201100421

制造单位 杭州逸控科技有限公司

检定依据 JJG1029-2007《涡街流量计检定规程》

检定结论 合格，符合1.5级要求

批准人 王永生

核验员 [illegible]

检定员 [illegible]

检定日期 2020 年 11 月 13 日

有效期至 2021 年 11 月 12 日

地址：淮安市工业园区永济西路9号 电话：0517-80867991 传真：0517-80867789

电子邮件：jlzghj@163.com 邮编：223002

实用新型专利证书

证书号第16383339号

实用新型名称：一种涡街流量计的高效散热结构

发明人：王宗峰;程军照;陆宗将

专利号：ZL 2021 2 3233587.5

专利申请日：2021 年 12 月 20 日

专利权人：安徽聚杰自动化科技有限公司

地址：241000 安徽省芜湖市鸠江区鸠江经济开发区官陡门路 98 号芜湖维基科技园 1 号厂房 02 室

授权公告日：2022 年 04 月 29 日 授权公告号：CN 216410299 U

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局长 申长雨

GTLUGB Vortex Flow Meter

Vortex flowmeter is a velocity flow meter, which is suitable for flow metering, measurement and control of liquid, steam and most gases.
RS485 or HART communication can meet various user needs;

- ▲ Non-blocking design: the sensor and the liquid contact part are made of stainless steel, with a simple structure and no moving parts.
- ▲ Mechanical anti-vibration treatment: try to effectively filter out the vibration frequency caused by mechanical vibration.
- ▲ Simplified fault handling: the sensor is isolated from the process, easy to install, the instrument coefficient is constant, the data repeatability is high, the converter and the sensor have good mutual contrast, and the maintenance process is convenient and fast.
- ▲ Analog and digital signal processing: the analog type set manually on site and the digital processing method with adaptive function are adopted, the common range ratio is 8:1, and the maximum reaches 10:1.

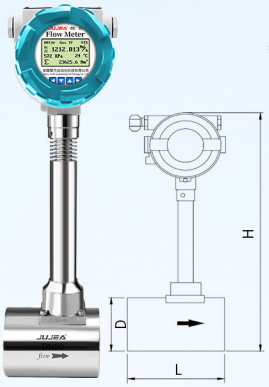
Parameters

Diameter DN	15, 20, 25, 32, 40, 50, 65, 80, 100, 125, 150, 200, 250, 300...
Pressure level	1.6 MPa (greater than 1.6MPa, agreement order)
Medium temperature	Medium: liquid, general gas, steam; temperature: -20~250℃; 250~350℃
Material	SS304; SS316L agreement order
Allowable vibration	0.2g
Accuracy	1.0 level; 1.5 level; 2.5 level
Range ratio	1:6; 1:10; 1:20
Supply voltage	3.6V battery; DC24V
Output signal	Pulse, 4~20mA, RS485, Hart protocol
Explosion-proof	ExdII CT6 Gb
Protection level	IP65; IP68
Environment	Temperature: -20~55℃; Relative humidity: 5~95%; Atmospheric pressure: 86~106KPa
Display	No display; LCD Display
Electrical interface	M20X1.5; NPT1/2

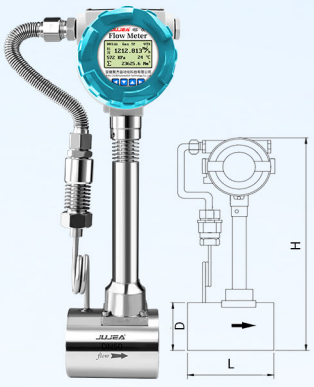
Flow range

Nominal diameter (mm)	Flow range	
	Liquid (m³/h)	Gas (m³/h)
DN15	1~6	3~12
DN20	1~10	5~30
DN25	1.6~16	8~70
DN32	2.2~20	15~150
DN40	2.5~25	20~200
DN50	3.5~35	35~350
DN65	6.5~65	50~500
DN80	10~100	70~700
DN100	15~150	110~1100
DN125	27~275	150~1500
DN150	40~400	250~2200
DN200	80~800	600~4000
DN250	120~1200	960~5500
DN300	180~1800	1500~11500

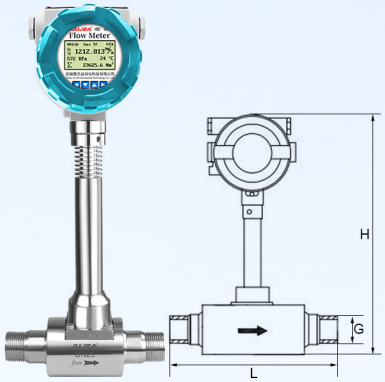
Product size



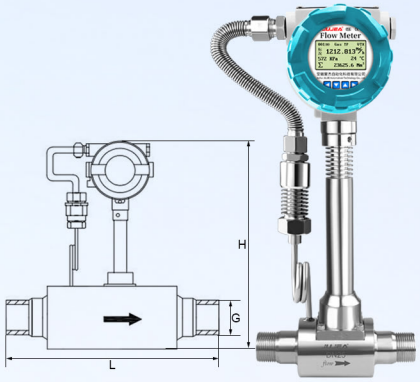
Clamping size



Wafer type size

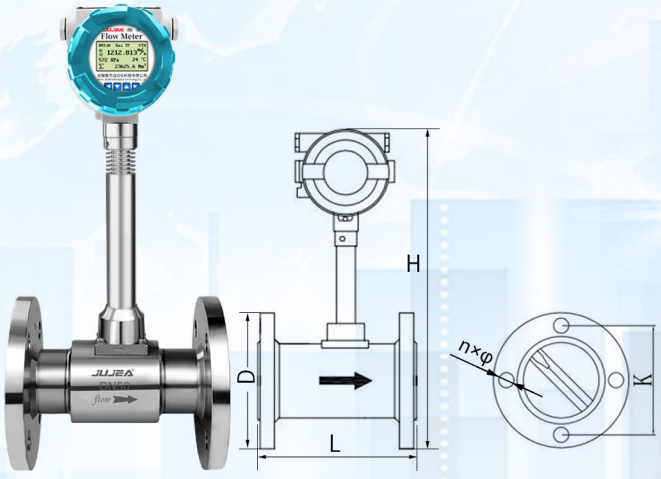


Thread size

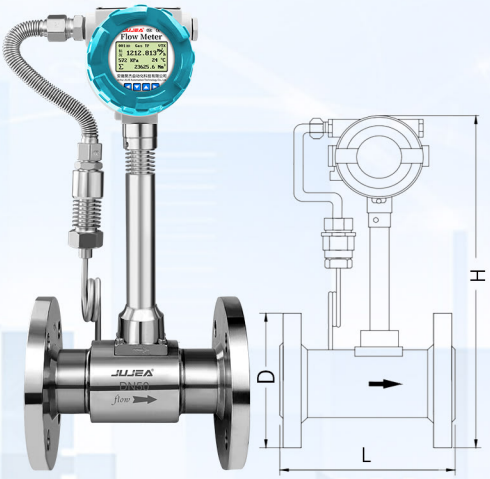


Temperature pressure Thread size

Ddiameter (mm)	Ordinary body Wafer type body			Ordinary threaded body Warm pressure Ordinary threaded body		
	L(mm)	D(mm)	H(mm)	G(mm)	L(mm)	H(mm)
DN15	80	63	364	G1/2	150	364
DN20	80	63	364	G3/4	150	364
DN25	80	63	364	G1	150	364
DN32	80	63	364	G1 1/4	150	364
DN40	80	78	384	G1 1/2	150	364
DN50	80	78	384	G2	150	384
DN65	80	100	404	G5/2	150	384
DN80	100	113	427			
DN100	100	132	436			
DN125	100	158	479			
DN150	110	180	506			
DN200	140	240	589			
DN250	160	298	615			
DN300	180	350	666			



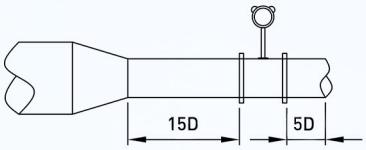
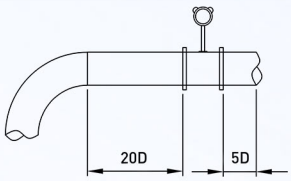
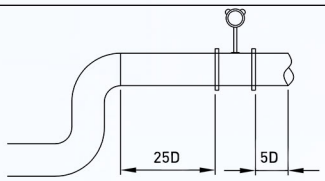
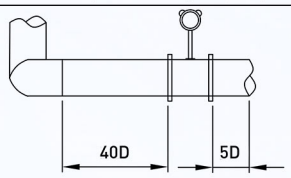
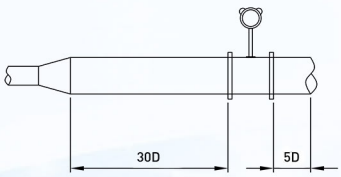
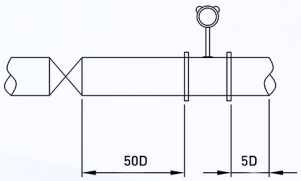
Integral flange size



Warm pressure flange size

Nominal diameter (mm)	Integrated flange body / warm pressure flange body				
	L(mm)	D(mm)	H(mm)	K(mm)	n×φ
DN 15	200	95	381	65	4×14
DN 20	200	105	386	75	4×14
DN 25	200	115	391	85	4×14
DN 32	200	140	404	100	4×18
DN 40	200	150	419	110	4×18
DN 50	200	165	426	125	4×18
DN 65	200	185	446	145	4×18
DN 80	200	200	465	160	8×18
DN 100	200	220	471	180	8×18
DN 125	250	250	499	210	8×18
DN 150	300	285	530	240	8×22
DN 200	300	340	583	295	12×22
DN 250	300	405	643	355	12×26
DN 300	300	460	695	410	12×26

Flow Meter Installation Instructions

Pipe upstream of sensor	Front and rear straight pipe sections	Pipe upstream of sensor	Front and rear straight pipe sections
Concentric retraction fully open valve		A 90° elbow	
Two 90° elbows on the same plane		Two 90°elbows in different planes	
Concentric expansion		Regulating valve half open valve (not recommended)	

Various models available

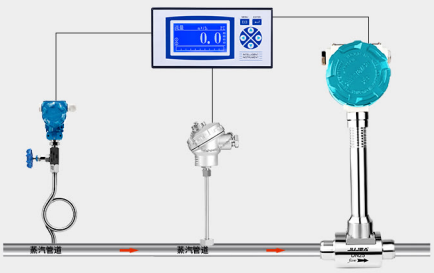
Ordinary vortex flowmeter

Power supply: 24VDC/battery
Communication: HART/RS485Modbus/ wireless transmission
Connection: thread/flange/flange clamp/clamp
Pressure level: conventional 1.6MPa
Customizable P1=2.5MPa, P2=4MPa, P3=6.3MPa, P4=8MPa, P5=16MPa

Compensation integrated

Power supply: 24VDC/battery
Communication: HART/RS485Modbus/ wireless transmission
Connection: thread/flange/high pressure clamp/clamp
Pressure level: conventional 1.6MPa
Customizable P1=2.5MPa, P2=4MPa, P3=6.3MPa, P4=8MPa, P5=16MPa

Split votex flowmeter



Power supply: 24VDC/battery
Communication: HART/RS485Modbus/ wireless transmission
Connection: thread/flange/flange clamp/clamp
Pressure level: conventional 1.6MPa
Customizable P1=2.5MPa, P2=4MPa, P3=6.3MPa, P4=8MPa, P5=16MPa

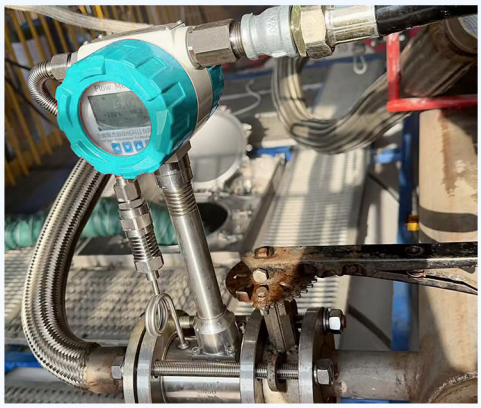
Selection Instructions

Model			Optional Description
GTLWGY -□-□-□-□-□-□-□-□-□-□-□			Vortex flowmeter
Connection Method		1	Flange connection
		2	Flange clamping (default carbon steel flange)
		3	External thread connection
		4	Clamp connection
Measured media		1	General gas
		2	Liquid
		3	Steam
		4	Heat transfer oil
Caliber		00	15mm
		01	20mm
		02	25mm
		03	32mm
		04	40mm
		05	50mm
		06	65mm
		08	80mm
		10	100mm
		12	125mm
		15	150mm
		20	200mm
		25	250mm
		30	300mm
Compensated and uncompensated Signal and converter Type (Note: W and D cannot be selected at the same time)	W	1	Temperature and pressure integrated type, LCD display, battery powered, without output
		2	Temperature and pressure integrated type, LCD display, 24VDC, 4～20mA
	D	N	Without display, 24VDC, voltage pulse (without compensation)
		B	LCD display, battery powered (without compensation)
		C	LCD display, 24VDC, 4-20mA (without compensation)
Communication Protocol		HT	HART Protocol
		RS	Modbus-RTU, standard 485 communication (12~24v power supply)
		GP	Wireless transmission (cloud platform)
Valve body material		-	304 material, not added by default
		L	316L material
		P	PTFE lined (valve body 304, probes are all made of PTFE)
Explosion-proof type		E	Explosion-proof, ExdIICT6 Gb
		-	Not explosion-proof
Pressure level		N	Conventional 1.6MPa
		Px	2.5MPa, 4MPa, 6.3MPa, 8MPa, 16MPa
Temperature range		HT	High temperature 350℃
Plug-in		CR	Simple insertion vortex flowmeter
		CQ	Ball valve insertion vortex flowmeter

Application

The vortex flowmeter produced by our company has passed the sonic nozzle gas flow calibration with a certificate issued by the Provincial Metrology Bureau, supports third-party inspection packages, and is suitable for the equipment complete set industry. The communication protocols are: RS485 Modbus-RTU, HART protocol, wireless transmission (cloud platform); the connection methods are: external thread connection, flange connection, clamp connection, flange clamping, etc.; valve body material: 304, 316, lined with PTFE (valve body 304), etc.; it can adapt to various equipment complete sets.

Measuring medium	Natural gas	Compressed air	Steam	Biogas	Nitrogen	Hydrogen	Oxygen	Thermal oil	Other media consulting engineers


Service

Jujie Automation has a complete after-sales system. We carefully grasp every detail from pre-sales, sales and after-sales, and are committed to providing users with better products and better service-oriented enterprises.
Jujie Automation is willing to work hand in hand with you for win-win cooperation!

Service system Service System

Professional engineers are online 24/7 to help you solve various problems such as product installation, measurement interference, operation and use.
You can contact customer service through multiple platforms such as the company's official website and company store.。

Online Contact | Telephone Contact | Video Guidance | Reservation Door

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