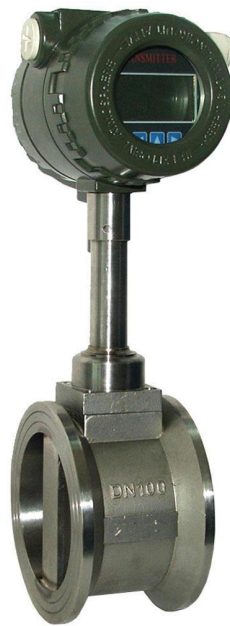


## ELUGB vortex flowmeter



### Description:

Intelligent integrated vortex flowmeter, gas flowmeter to measure volume, volume flow, vapor or liquid, standard condition volume flow or mass flow according to Carmen (Karman) vortex principle. And as a flow transmitter used in automatic control system vortex flowmeter. It can be widely used in large, medium and industrial recycling, waste water treatment, oil and chemical agents as well as compressed air, saturated metering small variety of pipes for drainage, and superheated steam, gas and a variety of media traffic.

### Intelligent integrated vortex flowmeter main features:

- 1.No moving parts, long-term stability, simple structure for easy installation and maintenance
- 2.Consumers scramble circuit and the use of anti-vibration sensor head, a certain resistance to environmental vibration performance
- 3.Ultra-low-power single-chip microcomputer technology Section 1 3.2V10AH lithium batteries can be used more than 5 years
- 4.Software on the instrument coefficient nonlinear correction, to improve measurement accuracy
- 5.Small Pressure loss, wide measuring range
- 6.Cumulative traffic using EEPROM power-down protection, protection longer than 10 years

The main technical parameters:

DN (mm)	15, 20, 25, 40, 50, 65, 80, 100, 125, 150, 200, 250, 300
Meter Materials	1Cr18Ni9Ti
Nominal pressure (Mpa) (Mpa)	PN1.6Mpa; PN2.5Mpa; PN4.0Mpa
Measured medium temperature (°C)	-40~+250°C; -40~+350°C
Environmental conditions	Temperature -10~+55°C, humidity 5%~90%, pressure 86~106Kpa
Accuracy class	liquid: reading ±0.5
Measuring gas or steam:	reading ±1.0, ±1.5
Turndown ratio	1:10; 1:15
Pressure loss coefficient	Cd < 2.6
Output signal	4-20mA or Pulse
Power supply	sensor: +12VDC, +24VDC transmitter: +24VDC On site display: 3.2V battery
Signal transmission lines	STVPV3×0.3 (three-wire), 2×0.3 (two-wire)
Installation	Integrated clamping flange or flange connection
Transmission distance	≤500m
Signal line interface	Male thread M20×1.5
Explosion levels	ExdIIBT6
Protection class	IP65
Allow vibration acceleration	1.0g

Measuring Range:

DN (mm)	Liquid range (m3/h)	Gas range(m3/h)
DN15	1.2-6.2	5-25
DN20	1.5-10	8-50
DN25	1.6-16	10-70
DN32	1.9-19	15-150
DN40	2.5-26	22-220
DN50	3.5-38	36-320
DN65	6.2-65	50-480
DN80	10-100	70-640
DN100	15-150	130-1100
DN125	25-250	200-1700
DN150	36-380	280-2240
DN200	62-650	580-4960
DN250	140-1400	970-8000
DN300	200-2000	1380-11000

ELUGB	Pipeline type	
ELUCB	Plug-in type	
DN size	15-1500	
Medium	1	gas
	2	Compressed air
	3	liquid
	4	Saturated Vapor
	5	superheated steam
Temperature	C	Bellow 250C
	H	250~300C
	U	250~350C
Output	1	Voltage pulse
	2	4~20mA current
	3	No output

Communication	N	NO
	R	RS485
	H	hart
Display	N	No display
	X	LCD display
Compensation	N	No
	T	Temperature
	P	Pressure
	S	Pressure&Temperature
Install	K	Flange clamp
	F	Flange
Explosion proof	P	ordinary type
	B	explosion proof type
Model selection	e.g. : ELUGB-15 4 C 2 N N S K P	