



## Overview

EDM Turbine flow meter is a low cost liquid turbine flow meter. Turbine flow transducer is based on the principle of moment balance, belonging to the velocity type flow meter.

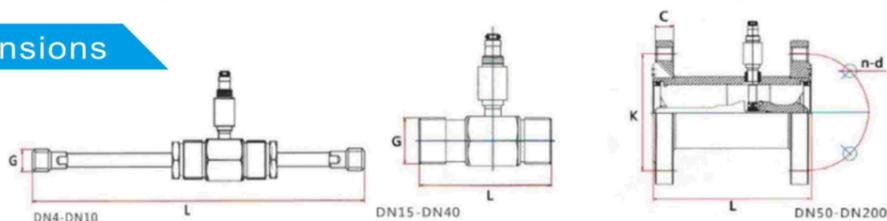
The transducer has a simple structure, lightweight, easy to install and maintain the use, widely used in petroleum, chemical, metallurgy, water supply, paper and other industries, is the flow measurement and energy-saving ideal instrument.

Transducer and display instrumentation used in conjunction, suitable for measuring closed pipeline with stainless steel 1Cr18Ni9Ti, 2Cr13 and corundum Al<sub>2</sub>O<sub>3</sub>, cemented carbide does not corrode, and no fibers, particles and other impurities in the liquid. If with special functions of the display instrumentation, can also be quantitative control, over the amount of alarm.

## Features

- The sensor is of hard alloy bearing thrust type, which may guarantee the precision and improve the wear resistance performance as well.
- Simple and firm structure, easy for installation and dismantling
- Wide range of measuring and extremely low flow rate lower limit
- Small loss of pressure, fine repeat ability and high precision
- High resistance to electromagnetic interference and vibration
- Widely used in petroleum, chemical, metallurgy, water supply, paper-making and other industries
- Can Measure liquid, water, oil and fuel with low viscosity and no impurities

## Dimensions



Diameter (mm)	Flange Connection				Length L (mm)	Threaded Connection G	Clamp Type	
	K	d	n	C			D	L
4	Ø60	Ø14	4	14	225	G1/2	-	
6	Ø60	Ø14	4	14	225	G1/2		
10	Ø60	Ø14	4	14	345	G1/2		
15	Ø65	Ø14	4	14	75	G1	36	75
20	Ø75	Ø14	4	16	85	G1	44	75
25	Ø85	Ø14	4	16	100	G1 1/4	52	80
32	Ø100	Ø18	4	18	120	G1 1/2	65	90
40	Ø110	Ø18	4	18	140	G2	74	90
50	Ø125	Ø18	4	20	150	G2 1/2	93	120
65	Ø145	Ø18	4	20	175	G3	106	100
80	Ø160	Ø18	8	20	200	G3 1/2	128	100
100	Ø180	Ø18	8	22	220	G4 1/2	159	100
125	Ø210	Ø18	8	22	250	-		
150	Ø240	Ø22	8	24	300			
200	Ø295	Ø22	12	24	360			

## Parameters

Power Supply	24VDC power supply, current ≤10mA	
Output	Pulse, + 4-20mA	
Communication	RS485 Modbus	
Accuracy	±0.5% or ±1% (for DN 4mm~DN15mm)	
Medium temperature	-20 ~ + 100°C	
Ambient temperature	-20 ~ + 50°C	
Flow Range of Different Pipe Size	4mm	0.04-0.25m <sup>3</sup> /h
	6mm	0.1-0.6m <sup>3</sup> /h
	10mm	0.2-1.2m <sup>3</sup> /h
	12mm	0.4-2m <sup>3</sup> /h
	15mm	0.6-3.6m <sup>3</sup> /h
	20mm	0.7-7m <sup>3</sup> /h
	25mm	1-10m <sup>3</sup> /h
	32mm	1.5-15m <sup>3</sup> /h
	40mm	2-20m <sup>3</sup> /h
	50mm	4-40m <sup>3</sup> /h
	65mm	7-70m <sup>3</sup> /h
	80mm	10-100m <sup>3</sup> /h
100mm	20-200m <sup>3</sup> /h	
125mm	25-250m <sup>3</sup> /h	
150mm	30-300m <sup>3</sup> /h	
200mm	80-800m <sup>3</sup> /h	
Connection Method	Thread/Flange/Clamp connection	
Material	SS304 (Optional: SS316)	