

## FLOWMETER HD005



turbine flowmeter  
DN2...300, 10l-1800m<sup>3</sup>/h

### DESCRIPTION:

- threaded or flanged connection
  - precalibrated rotor
- design with / without local display
  - rotor from karbid wolfram
  - all stainless steel case
- atypical design - clamp connection, high-pressure, HART communication...

### APPLICATION:

- petrochemical industry
  - chemical industry
  - food industry
  - metallurgy

### TECHNICAL PARAMETERS:

- DN: 2,4,6,10,15,25,40,50,80,100,150,200,250,300
  - measuring range from 10l/h to 1800m<sup>3</sup>/h
    - accuracy from: 0.2, 0,5, 1%
    - PN: <40MPa
  - case: stainless steel 304 (or 316)
  - bearing and axle: karbid wolfram
- rotor: stainless steel 304 (or Alloy CD4Mcu )
  - output: 4-20mA, 0-10 V, HART
  - IP65

### SPECIFICATION:

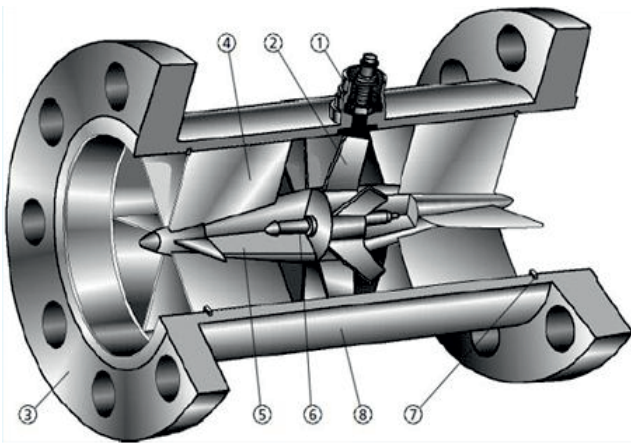
Turbine flowmeters HD005 series are design for flow measurement of low viscosity fluids. They can be used for the media in the temperature range -20 till +120°C They can be used in petrochemical, chemical and food industry and also in metallurgy or scientific researche for measurement and regulation.

It is to choose a pulse or analog (current, voltage) output. It is possible to choose different ways for displaying.

Output signal is 4-20mA or 0-10V. Level of protection is IP65.

DN (mm)	Flow (m3/h)						Medium temperature °C	PN (MPa)	Ambient temperature °C	Pressure lost (MPa)
	Inaccuracy 0.2%		Inaccuracy 0.5%		Inaccuracy 1.0%					
	Min	Max	Min	Max	Min	Max				
2					0.03	0.16	-20	6.3	-25	0.12
4					0.04	0.25				
6					0.1	0.6				
10					0.2	1.2				
15			0.6	4	0.6	6				
25			1.6	10	1	10				
40	3	20	3	20	2	20				
50	6	40	6	40	4	40				
80	16	100	16	100	10	100				
100	25	160	25	160	20	200				
150	60	400	50	300	40	400	+120	2.5	+55	0.025
200			100	600	80	800				
250			160	1000	120	1200				
300			260	1600	180	1800				

- structure of flowmeter HD005



1. Signal output
2. Rotor
3. Flanged or threaded connection
4. Vane flow for low speed
5. Load of vane flow
6. Rotor and axle bearing from karbid wolfram
7. Insurance clips
8. All stainless steel case