



■ Turbine Flow Meter RF3500

Suitable to measure precise Instantaneous & Cumulative Flow of Liquids in Oil, Chemical, Metallurgy, Paper and other Industrial applications.

Salient Features

- Low pressure loss
- High Anti-Electromagnetic Interference Ability
- Anti-Vibration Design
- Accuracy up to $\pm 0.5\%$
- Standard 4-20 mADC Analog/ Pulse Output
- Long transmission range up to 500 m
- Wide Flow Measurement Range up to 800 m³/h
- Lower flow rate limit (0.04 m³/h)

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RF3500 Turbine Flowmeter

Technical Parameters

Characteristics	Parameter
Medium	Liquid
Line Sizes	4 ~ 200 mm
Max. Flow Rate	0.04 ~ 800 m ³ /h
Display	Instantaneous & Cumulative Flow
Accuracy	± 0.5% & ± 1%
Output	Pulse/ 4-20 mA DC Analog/ RS485/Modbus
Power Supply	Std. 24 VDC (±10%); 12VDC (Optional)
Max. Operating Pressure	Max. up to 32 MPa
T _{Ambient}	-20° C ~ +60° C
T _{Medium}	-20° C ~ +120° C
Transmission Distance	≤ 500 m
Enclosure Protection	IP65 & Explosion Proof
Installation	Straight Pipe connection before and after Flowmeter (≥20DN, ≥5DN), respectively

RF3500 Model Selection Table

10	Line Size (DN)		Flow Range (m ³ /h)	Extended Flow Range (m ³ /h)	Standard MWP* (MPa)	Standard Process Connection*
	004	DN4	0.04 ~ 0.25	0.04 ~ 0.4	6.3	Thread
	006	DN6	0.1 ~ 0.6	0.06 ~ 0.6	6.3	Thread
	010	DN10	0.2 ~ 1.2	0.15 ~ 1.5	6.3	Thread
	015	DN15	0.6 ~ 6	0.4 ~ 8	6.3, 2.5	Flange, Thread
	020	DN20	0.8 ~ 8	0.45 ~ 9	6.3, 2.5	Flange, Thread
	025	DN25	1 ~ 10	0.5 ~ 10	6.3, 2.5	Flange, Thread
	032	DN32	1.5 ~ 15	0.8 ~ 15	6.3, 2.5	Flange, Thread
	040	DN40	2 ~ 20	1 ~ 20	6.3, 2.5	Flange, Thread
	050	DN50	4 ~ 40	2 ~ 40	2.5	Flange, Thread
	065	DN65	8 ~ 80	4 ~ 70	2.5	Flange
	080	DN80	10 ~ 100	5 ~ 100	2.5	Flange
	100	DN100	20 ~ 200	10 ~ 200	1.6	Flange
	150	DN150	30 ~ 300	15 ~ 300	1.6	Flange
	200	DN200	80 ~ 800	40 ~ 800	1.6	Flange
20	Accuracy					
			1	± 0.5%		
			2	± 1%		
30	Process Connection					
			1	Thread		
			2	Clamp		
			3	Flange		
40	Power Supply					
			1	24 VDC Standard		
			2	Custom (12 VDC)		
50	Working Pressure (MPa)					
			1	1.6		
			2	2.5		
			3	5.0		
			4	6.3		
			5	16		
			6	25		
			7	32		
60	Output					
			1	Pulse		
			2	4-20 mA DC Analog		
			3	RS485/ Modbus/HART		

For any special requirement, contact Rocksensor Sales Team.