

F6.50.XX

Paddlewheel Flow Transmitter

The new F6.50 blind transmitter is a rotor-based device and can be used for measuring any type of solid-free liquid.

The F6.50 transmitter provides a 4–20 mA current output and is equipped with a Bluetooth® connection for interaction with the Aliaxis Smart-Connect App, which allows the user to set the transmitter configuration and installation parameters and other features.

The specific design guarantees precise flow measurements for pipes of various sizes, from DN15 (0.5") to DN600 (24").

The new F6.50 series rotor flow transmitters are able to communicate with the user via Bluetooth connection® and the Smart Connect App. Smart Connect allows the user to interact with the transmitter in a simple and fast way to access the settings of the instrument or for a proximity reading of the information detected during its use.

APPLICATIONS

- Water and industrial wastewater treatment
 - Water cooling systems
 - Swimming pools
 - Flow control and monitoring
 - Water treatment
 - Water regeneration plants
 - Processing and production industry
 - Water distribution
- High chemical resistance
 - Pipe size range: DN15 (0.5") to DN600 (24")
 - Low pressure drop
 - Setting the functional parameters of the instrument and reading the proximity of the information detected during its use through the Aliaxis Smart Connect App
 - Signal transmission 4–20 mA via cable connection

General Information

- Pipe size range : DN15 to DN600 (0.5–24")
- For more details, refer to the Installation Adapters section
- Wireless connection standards: Bluetooth® 5.0 compatible with iOS and Android
- Flow Range: 0.15 to 8 m/s (0.5–25 ft/s)
- Linearity: $\pm 0.75\%$ of full scale
- Repeatability: $\pm 0.5\%$ of full scale
- Minimum Reynolds number required: 4.500
- Protection class: IP65
- Materials in contact with liquids:
 - Sensor body: PVC-C, PVDF or AISI 316L stainless steel
 - O-ring: EPDM or FKM
 - Rotor: ECTFE (Halar®)
 - Axis: Ceramic (Al₂O₃) / AISI 316 Stainless Steel (for metal sensors)
 - Bearings: Ceramic (Al₂O₃) / absent (for metal sensors)

All information subject to change.

Please contact us on <https://www.aliaxis.co.uk/get-in-touch> for further informations

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Reference	Power supply	Lenght	Main Wetted Materials	Enclosure	Flow Rate Range	Weight (gr.)
F6.50.01	12 - 24 VCC	L0	C-PVC / EPDM	IP65	From 0,15 to 8 m/s*	250
F6.50.02	12 - 24 VCC	L0	C-PVC / FKM	IP65	From 0,15 to 8 m/s*	250
F6.50.03	12 - 24 VCC	L1	C-PVC / EPDM	IP65	From 0,15 to 8 m/s*	300
F6.50.04	12 - 24 VCC	L1	C-PVC / FKM	IP65	From 0,15 to 8 m/s*	300
F6.50.05	12 - 24 VCC	L0	PVDF / EPDM	IP65	From 0,15 to 8 m/s*	250
F6.50.06	12 - 24 VCC	L0	PVDF / FKM	IP65	From 0,15 to 8 m/s*	250
F6.50.07	12 - 24 VCC	L1	PVDF / EPDM	IP65	From 0,15 to 8 m/s*	300
F6.50.08	12 - 24 VCC	L1	PVDF / FKM	IP65	From 0,15 to 8 m/s*	300
F6.50.09	12 - 24 VCC	L0	SS316L / EPDM	IP65	From 0,15 to 8 m/s*	450
F6.50.10	12 - 24 VCC	L0	SS316L / FKM	IP65	From 0,15 to 8 m/s*	450
F6.50.11	12 - 24 VCC	L1	SS316L / EPDM	IP65	From 0,15 to 8 m/s*	500
F6.50.12	12 - 24 VCC	L1	SS316L / FKM	IP65	From 0,15 to 8 m/s*	500

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