



More than **sensors + automation**



JUMO flowTRANS US Series

Ultrasonic flowmeters

Flow measurement with ultrasound

>> Ultrafast and ultrasmart



JUMO flowTRANS US Series Ultrafast and ultrasmart

The advantages at a glance

- ▶ Fast and accurate measurement
- ▶ Measurement in both conductive and non-conductive media
- ▶ Low wear and low maintenance

Application in different areas

- ▶ Water and environmental engineering (e.g. lightly polluted wastewater as well as drinking water, process water, and service water)
- ▶ Dosing of chemicals
- ▶ Heating, air conditioning, and ventilation (e.g. cooling water circuits and cooling tower technology)
- ▶ Galvanic plants
- ▶ Pump construction

- ▶ Download the **JUMO smartCONNECT app** for easy configuration and operation



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Your advantages at a glance

- ▶ Reduced maintenance costs due to low-wear design without moving parts
- ▶ High degree of process reliability due to precise measurement
- ▶ Easy installation without T-fitting
- ▶ Metal-free design for use in corrosive media and environments



Additional advantages of the JUMO flowTRANS US W02

- ▶ Simultaneous measurement of up to 3 measurands (flow, temperature, pressure) at one measuring point
- ▶ Simple and convenient configuration and operation via JUMO smartCONNECT app via Bluetooth
- ▶ Time and cost savings during configuration as well as integration into plants and sensor networks through IO-Link

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JUMO flowTRANS US Series

	JUMO flowTRANS US W01	JUMO flowTRANS US W02
		
Type	406050	406051
Type of installation	Inline	
Nominal width	DN 15 bis DN 32	
Nominal pressure	PN 16	
Measuring accuracy	2 % of the measured value	1 % of the measured value
Measuring dynamics	1:100 (0.1 m/s to 10 m/s)	
Process connection	G-type external thread with integrated seal	
Materials in contact with the medium	PPSU, PEEK, EPDM (FKM)	
Maximum medium temperature	Up to 80 °C (up to 95 °C with lower accuracy)	
Maximum ambient temperature	Up to 70 °C	Up to 60 °C
Display	Status LED	TFT display
Input and output	Binary output (up to 10 kHz); analog output (4 to 20 mA)	Binary input; binary output (up to 10 kHz); analog output (4 to 20 mA)
Communication	-	IO-Link; Bluetooth
Protection type	IP65	
Voltage supply	DC 18 to 30 V, SELV/PELV	
Additional measurands	-	Temperature; pressure (optional)
Special features	Metal-free plastic housing	Metal-free plastic housing; configuration via JUMO smartCONNECT app (Bluetooth) or IO-Link (IO-Link)



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