![STS logo](global.sensor.excellence)

FM300

Sensor

Datasheet

Benefits

- Compact design for space saving equipment
- Simpli ied electronic
- 4...20mA output
- Pulse- / Frequency- / Alarm output
- with or without display
- Stainless steel housing

Measuring Range: up to DN 400
Temperature Range: -20°C – 60°C (-4°F – 140°F)
Accuracy: +/- 1 %

Typical Applications

- Agriculture
- Water treatment
- Industrial water treatment
- Cleaning
- Cooling

Overall features

Suitable For	All FM Transducer (FM130, FM150 up to DN400, FM170 all DN)
Minimum conductivity	20 µS/cm
Altitude	-200 m up to 2000 m
Ambient Temperature	-20… +60°C / -4… +140 °F
Humidity Range	0÷100% (IP 67)

Standard features

Housing materials	Painted Aluminium die casting
Protection Rate	IP 67
Power Supply/Consumption	min10 / max30 V ⎓ - 1W
Electrical connections	5 pins connector M12X1 complete of plug/Cable
Full scale value	0,4…10m/s
Protocols	MCP protocol Via USB Interface
Digital Input/Outputs	N° 1 channel OUTPUT for volume pulses/alarms
Data Storage	Eeprom values storing system in case of power failure
Bidirectional	Protected plug in for the connection to PC
CE Certification	Yes
Humidity Range	Yes

Optional features (check how to order, at last page, for more details)

Protection Rate	IP 68
Display	Display LCD Custom dimensions 60 x 40 mm
Housing materials	Housing in AISI 304 JB RAW/POLISHED (Cover in PA6 woth Display)
Outputs: Pulses/Frequence/Alarms	N° 1 channel OUTPUT for volume pulses/alarms
Current Output	N°1 , 0/4…20mA – RL= 500 Ohm (according to main power supply)
MID Certifications	

Accuracy

Measurements tolerance (board)	Volume = ±0,2% v.l. Out 4/20 mA = ± 0,2 % v.l.
Accuracy (whole system converter+sensor)	See table below

How to Order

CODE EXAMPLE		CODE/DESCRIPTION
FM300		
A	A	A FM300 - Blind, N°1 freely programmable digital OUT
	B	B FM300 - Complete of DISPLAY LCD and N°1 freely programmable digital OUT (mandatory for MI001)
Housing Material/Protection Rate		
0	1	Housing in AISI304 JB RAW (with PA6 plastic cover for version with display) - IP67
	2	Housing in AISI304 JB POLISHED (with PA6 plastic cover for version with display) - IP67
	4	Housing in AISI304 RAW-IP68 (ONLY ELECTRICAL CONNECTIONS B and BLIND VERSION)
	5	Housing in AISI304 POLISHED-IP68 (ONLY ELECTRICAL CONNECTIONS B and BLIND VERSION)
Digital Output		
A	A	without Additional Digital Out
	B	n° 1 additional digital out
Analog Output		
0	0	Without Analog Out
	1	With Analog Out
Electrical Connections		
A	A	5 poles connector complete of plug
	B	2 meters of N° 5 poles cable ALREADY CONNECTED
Special Features		
0	0	None
MID Approval		
A	A	None

Example of complete to order   →   FM300-A0A0A0A