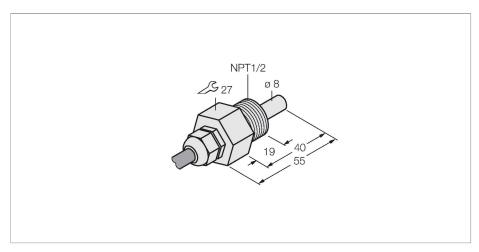


FCS-N1/2T-NA Flow Monitoring – Immersion Sensor without Integrated Processor



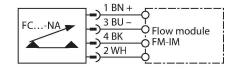
Technical data

ID	6871422
Туре	FCS-N1/2T-NA
Mounting conditions	Immersion sensor
Water Operating Range	170 cm/s
Oil Operating Range	2100 cm/s
Stand-by time	typ. 60 s (40100 s)
Switch-on time	typ. 30 s (1050 s)
Switch-off time	typ. 30 s (1050 s)
Temperature jump, response time	typ. 100 s (50100 s)
Temperature gradient	≤ 1 K/min
Medium temperature	-10+70 °C
Electrical data	
Protection class	IP68
Mechanical data	
Design	Immersion
Housing material	Plastic, PTFE
Housing material Sensor material	Plastic, PTFE Plastic, PTFE
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Sensor material	Plastic, PTFE
Sensor material Max. tightening torque of housing nut	Plastic, PTFE 5 Nm
Sensor material Max. tightening torque of housing nut Electrical connection	Plastic, PTFE 5 Nm Cable
Sensor material Max. tightening torque of housing nut Electrical connection Cable length	Plastic, PTFE 5 Nm Cable 2 m
Sensor material Max. tightening torque of housing nut Electrical connection Cable length Cable Jacket Material	Plastic, PTFE 5 Nm Cable 2 m FEP
Sensor material Max. tightening torque of housing nut Electrical connection Cable length Cable Jacket Material Core cross-section	Plastic, PTFE 5 Nm Cable 2 m FEP 4 x 0.25 mm²

Features

- ■Sensor for liquid media
- Calorimetric functionality
- ■Adjustment via signal processor
- Status indicated via LED chain on signal processor
- ■Sensor made of PTFE
- Cable device
- ■4-wire connection to the processor

Wiring diagram



Functional principle

Our insertion - flow sensors operate on the principle of thermodynamics. The measuring probe is heated by several °C as against the flow medium. When fluid moves along the probe, the heat generated in the probe is dissipated. The resulting temperature is measured and compared to the medium temperature. The flow status of every medium can be derived from the evaluated temperature difference. Thus TURCK's wear-free flow sensors reliably monitor the flow of gaseous and liquid media.

TURCK

Accessories

