Product family overview

T-Easic® FTS

Clever dry-run protection in pumps

FLOW SENSORS

SICK
Sensor Intelligence.

Technical data overview

Measurement principle	Calorimetric measurement process
Medium	Water and oil-based liquids
Output signal	2 x push-pull digital outputs for flow and temperature (Q2 can be selected as digital input)

Product description

The T-Easic® FTS thermal flow switch measures flow and temperature in accordance with the calorimetric principle. With two digital outputs, it monitors the measured values and sends these to a superior control as soon as a set limit value is exceeded or undercut. The parameter settings can be done via IO-Link. As an industrial design, it also offers an OLED display and operating buttons. Values preset at the factory for media such as oil and water simplify and accelerate commissioning; nearly all liquids can be calibrated quickly and easily. The extremely rugged VISTAL® housing of the industrial design protects the sensor during cleaning processes, the hygienic design also available also withstands CIP/SIP conditions.

At a glance

- Flow monitoring and temperature measurement in one sensor
- Optimized for water and oil; teach-in option of other liquids
- IP 67/IP 69 enclosure rating and IO-Link 1.1
- Industrial design in VISTAL® housing with 180°-rotatable OLED display
- Stainless steel hygienic variant, completely CIP-/SIP-capable, process temperatures up to 150 °C

Your benefits

- One sensor, two measurements - reduces costs and hygiene risk thanks to a unique installation point
- Cost savings thanks to speedy installation via mounting adapter
- Time savings due to easy commissioning without calibration for taught-in media
- User-friendly industrial version with intuitive menu guidance and display for fast commissioning
- Reduced storage needs thanks to flexible adjustment to the pipe diameter
- Less wiring is required thanks to IO-Link 1.1 with convenient adjustments as well as integration and cloning functions
- Low downtimes thanks to low-maintenance system

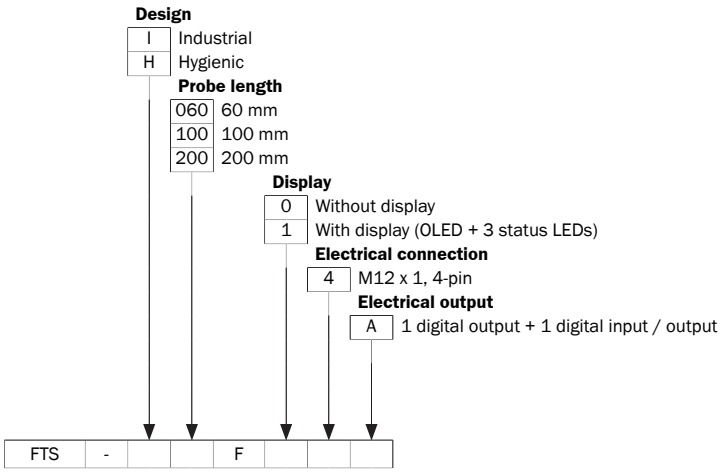
Fields of application

- Flow monitoring in cooling lubricant circuits and cleaning machines
- Flow and temperature detection in the food industry and in CIP cleaning systems
- Pump protection and monitoring
- Contamination monitoring of filters
- Performance measurement of rinsing and spraying processes

Type code

Other models and accessories ➜ www.sick.com/T-Easic_FTS

Type code



Ordering information

Other models and accessories ➜ www.sick.com/T-Easic_FTS

- **Maximum flow velocity:** ≤ 150 cm/s, For water
- **Wetted parts:** Stainless steel 1.4404 / 316L
- **Process connection:** Without process connection (adapter needed for installation)
- **Output signal:** 2 x push-pull digital outputs for flow and temperature (Q2 can be selected as digital input)
- **Process temperature:** –40 °C ... +150 °C
- **Process pressure:** ≤ 100 bar, ≤ 16 bar, with clamp adapter P/N 2093548
- **Accuracy of sensor element:** ± 10 % (relative to measuring range end value)

Probe length	Type	Part no.
60 mm	FTS-H060F04A	1091149
	FTS-I060F14A	1091146
100 mm	FTS-H100F04A	1091147
	FTS-I100F14A	1091144
200 mm	FTS-H200F04A	1091148
	FTS-I200F14A	1091145

SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

WORLDWIDE PRESENCE:

Contacts and other locations –www.sick.com

SICK
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