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635 mbar

700 mm off

SITRANS FM100

Smart and compact flow measurement

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[siemens.com/fm100](https://www.siemens.com/fm100)

SITRANS FM100

The small and compact addition to the SITRANS F portfolio

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SITRANS FM Portfolio

When it comes to boosting productivity, choosing the right flowmeter can make all the difference. The trusted SITRANS F product family has versatile and reliable flow measurement solutions built to suit every industry and process.



The **SITRANS FM100** is a great addition to our existing portfolio and will boost the versatility even more.

This product aims to enlarge the flow portfolio for **OEM customer** and **other applications** requiring **small meters**.

Top highlights at a glance

The new SITRANS FM100 – ready to improve your process

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SITRANS FM100

Flexible communication

IO- Link ready or
two freely independent
programmable
analogue outputs

Rugged design

Stainless steel housing with colored,
multi-parameter display



Flow measurement

All-round flow meter, dosing function
and bidirectional measurement
possible

Temperature measurement

Additional process value with
integrated PT1000 sensor

Simple Operation

Local operation via four optical touch
keys and easy rotatable 90°

The new flow meter offers flexible usage and simple handling

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Top highlights



Feature / Function

- Flow and Temperature measurement
- IO-Link communication
- Colored display with 4 optical touch keys
- 90° rotatable display via software
- Non-resettable and resettable totalizer

Benefit

- ▶ • Two process value for additional knowledge of application
- ▶ • Easy integration and parametrization of device
- ▶ • Easy and fast set-up
- ▶ • User-friendly operation
- ▶ • Usage with gloves possible
- ▶ • Flexible installation
- ▶ • Individual set-up of device
- ▶ • Individual totalizer usage according to user / application

The SITRANS FM100 shows his strengths in flexible usage across many different applications

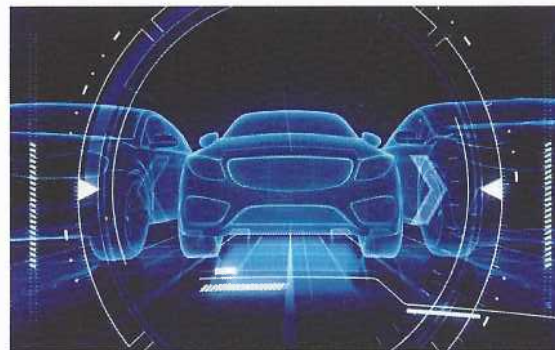


Target industries / applications



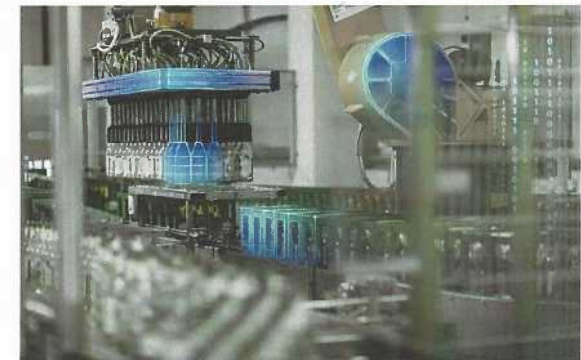
Water cooling cycle

- Monitoring and optimization of water usage in the process
- Temperature monitoring
- Leakage detection
- Glass cooling water control



Automotive

- Silicon free
- Dosing of frost protection
- Cooling of carbon fiber fabrication
- Injections for exhaust regulation



Dosing applications

- Flexible usage across industries
- Ideal usage in lab applications
- Injection applications for e.g. chemicals

Make engineering and operation even simpler and reliable



System / value-added topics



Easy integration



IO-Link communication for integration into control landscape

- IODD available online
- Integrated into TIA-Portal



QR Code



Easy and fast way to get information:

- Manuals
- FAQs
- Downloads

SITRANS FM100

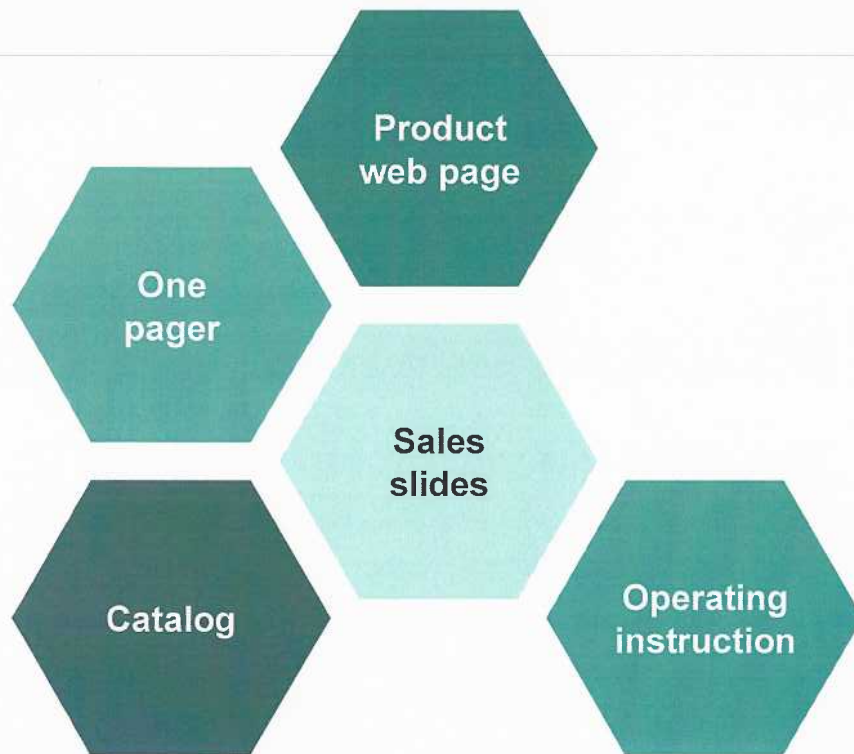
Product data overview



SITRANS FM100	
Process connection sizes	Threaded G½", ¾", 1", 2" Accessory for (<i>in planning</i>) ¼", ½", ¾", 1", 2" NPT
Measuring range	0,03 – 350 l/min
Process temperature	-20 ° C to 70 ° C (compact) -20 ° C to 140 ° C (remote) (<i>in planning</i>)
Accuracy	Flow: $\leq \pm 0.8\%$ of reading + 0.5% of full scale Temperature: $\leq \pm 2^\circ$ C (flow >0,2 m/s)
Design	All stainless steel design (housing, electrodes, connection in 1.4404) Insulation parts PEEK
Outputs / communication	Two configurable outputs (pulse-/frequency-/alarm- and analogue output) IO-Link

SITRANS FM100 Marketing material

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SITRANS FM100

Smart and compact magnetic-inductive flow measurement

- Easy to use:** Local operation as four separate touch keys, changes as **flexible as possible**.
- Flexible installation:** Individual orientation of **display** according to application in **90° steps**.
- Multiple communication:** **IO-Link** ready or **2** freely independent programmable analogue **outputs**.
- Design:** Rugged stainless steel housing with a colored, **multi-parameter** display.
- Flow measurement:** All-round flow meter, dosing function and bidirectional measurement possible.
- Temperature measurement:** Additional PT1000 sensor with integrated PT1000 sensor.

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SITRANS FM100

Smart and compact flow measurement

The SITRANS FM100 is an accurate flow meter for measuring and monitoring industrial flows.

- Robust, stainless steel design
- Operation of key functions (local, IO-Link) via touch-sensitive flow and temperature measurement
- 2 freely independent analogue outputs
- IO-Link ready for digital communication
- 90° rotation of the display for the best possible readability
- Additional PT1000 sensor for temperature measurement
- Integrated dosing function and bidirectional measurement
- All-round flow measurement
- Rugged design, corrosion-resistant

Flow Measurement

Flow Measurement

The SITRANS FM100 is a precision magnetically inductive flow meter for measuring and monitoring industrial flows.

Features:

- Compact, V, W, T, F, P
- Flow direction independent
- Bidirectional measurement
- 2 freely independent analogue outputs
- IO-Link ready for digital communication
- 90° rotation of the display for the best possible readability
- Additional PT1000 sensor for temperature measurement
- Integrated dosing function and bidirectional measurement
- All-round flow measurement
- Rugged design, corrosion-resistant

Applications:

- Process control
- Dosing
- Bidirectional measurement
- Temperature measurement

For more information, visit:
[siemens.com/fm100](https://www.siemens.com/fm100)

Thank you for your attention

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DASTEC S.R.L.

Representantes / Distribuidores Exclusivos

Argentina

Tel: (+54 11) 5352 2500

Email: info@dastecsrl.com.ar

Web: www.dastecsrl.com.ar

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