

SI5 FLOW SENSORS

Product Data Sheet

SI5010

Thermal flow monitor

OPERATING VOLTAGE	CURRENT CONSUMPTION	DIGITAL OUTPUTS	OUTPUT LOAD CURRENT
18 to 36 V DC	<60 mA	1 PNP	250 mA maximum

The ifm SI5010 is a compact flow monitor from the SI5 sensor series for detecting liquid and gas flow in industrial pipes. It is used in water supply, cleaning processes and production cooling circuits where a configurable flow switch provides a process-status signal.

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VERIFIED TECHNICAL DATA

Operating voltage	18 to 36 V DC
Current consumption	<60 mA
Digital outputs	1 PNP
Output load current	250 mA maximum
Output voltage drop	2.5 V maximum
Liquid setting range	3 to 300 cm/s
Gas setting range	200 to 3000 cm/s
Medium temperature	-25 to +80 deg C
Pressure rating	300 bar
Process connection	M18 x 1.5 internal thread

ADDITIONAL PRODUCT DATA

Probe diameter	8.2 mm
Probe length	45 mm
Protection rating	IP65 / IP67
IO-Link cycle time	3 ms minimum
Electrical connector	M12 A-coded, 4 contacts

DOCUMENTED USE SETTINGS

Municipal and Industrial Water Supply Processing: Potable Water Distribution.

Food and Beverage Processing and Cleaning: Food Production Cleaning.

Automotive Manufacturing and Metal Forming Production: Automotive Metal Forming.

SYSTEM COMPATIBILITY

The ifm SI5010 is a compact flow monitor from the SI5 sensor series for detecting liquid and gas flow in industrial pipes. It is used in water supply, cleaning processes and production cooling circuits where a configurable flow switch provides a process-status signal.

OFFICIAL SOURCE

ifm SI5 flow sensors official technical documentation

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM