

# Air Mass Flow Sensor | MCS100 Series



The air mass flow sensors in the MCS100 series are suitable for air flow rate measurement in various types of physical science equipment as well as confirmation of vacuum suction of minute electronic parts.



## Specifications

Model No.	MCS100A100	MCS100A104	MCS100A108	MCS100A112	MCS100A116	MCS100A120
Measured gas	Air, nitrogen. (Gas must be clean and dry, without corrosive components such as chlorine, sulfur and acid, and without dust or oil mist.)					
Flow rate measurement range	-3 to +3 L/min	0 to 3 L/min	-0.5 to +0.5 L/min	0 to 0.5 L/min	0 to 5 L/min	0 to 10 L/min
	(Values converted to volumetric flow rate at 20 °C and 101.325 kPa)					
Operating pressure range	-100 to +200 kPa (however, the guaranteed range for pressure characteristics is -70 to +200 kPa)					
Output signal	1 to 5 Vdc					
Response	5 ms max. (95% response to a step change in flow rate)					
Rated power supply voltage	12 to 24 Vdc			24 Vdc		
Power consumption	12 mA or less					
Weight	9 g					

## Model No. configuration

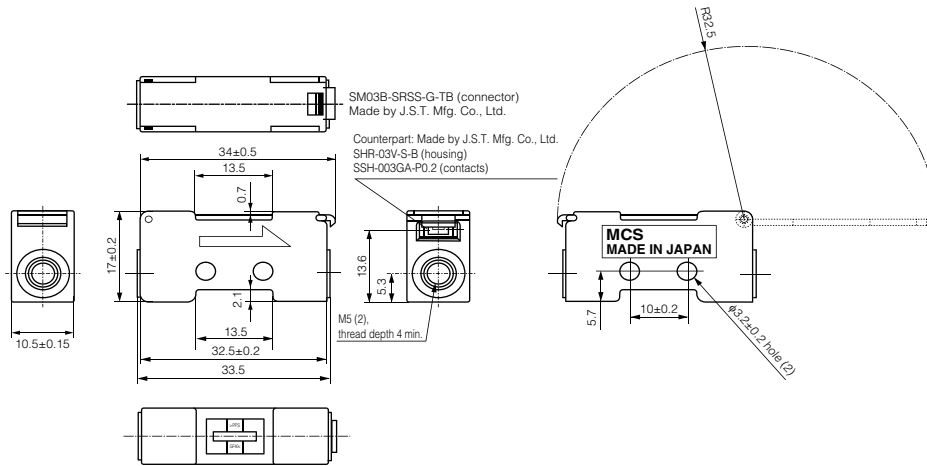
Name	Model No.
Air mass flow sensor	MCS100A100
	MCS100A104
	MCS100A108
	MCS100A112
	MCS100A116
	MCS100A120

## Optional parts (sold separately)

Name	Model No.	Description
Harness with dedicated connector	81446888-001	Harness length 2 m
	81446888-002	Harness length 3 m

## External dimensions

(Unit: mm)



1

DIGITAL  
CONTROLLERS

2

RECORDERS,  
INDICATORS

3

CONVERTERS

4

FLAME SAFEGUARD  
SYSTEM

5

ACTUATORS

6

SENSORS

7

GAS FLOW  
MEASUREMENT AND  
CONTROL PRODUCTS