

Digital Mass Flow Controller

Model iMFC-Series



Customizable Precision Multichannel Mass Flow Controllers

SAKS iMFC-series are precision mass flow controllers based on thermal sensing technology. It features high level of performance with a simple and intuitive user interface having 7 inch touch display. Since It's based on true mass flow sensing, gas pressure or temperature variations will not affect the flow measurement. Some of the applications are scientific research and production of special materials in IC industry, chemical industry, petroleum industry, lighting, medicine, environmental protection, vacuum, graphene, chips and other fields, and it is widely used in various electronic industrial equipment and various analytical instruments. Especially suitable for Vapor deposition (PVD) applications. Upto 8 channels can be accommodated in one unit.



SAKS iMFC Series mass flow controllers features a user friendly calibration screen which is password protected for unauthorized access. Four user adjustable linear calibration points in 0-100 sccm range and one single calibration point in every 100sccm till full scale. User can freely select any of the calibration points and the intelligent algorithm readjust the sensor non linearity providing 0.5% accuracy.

Calibration screen(password Protected)



Technical Specifications:

Flow Range: 0-300 SLPM.
Resolution: 0.1sccm(1000S series). 0.001 SLPM(for all other model)
Accuracy: 0.5%FS(Upto 14.3%FS). 3.5%reading (rest of the range)
Pressure Max: 4 bar(400kpa)
Operating temperature range : -20°C to 70°C
Humidity: 0% to 95% RH, non-condensing
Wetted Material: All wetted parts stainless steel 316L
Power: 230V, 50 Hz, 60W

Order Guide

iMFC	U	P1	0020L	4CH	V1
Product series	Unidirectional	Port Size	Flow Range	No. of channels	Supply Voltage
iMFC Series Digital Mas Flow Controllers	<u>U</u> Unidirectional	<u>P1</u> G 1/8" BSP <u>P2</u> G 1/4" BSP <u>C</u> Custom	<u>1000S</u> 1000 sccm <u>0010L</u> 10 slpm <u>0020L</u> 20 slpm <u>0050L</u> 50 slpm <u>0100L</u> 100 slpm <u>0200L</u> 200 slpm <u>0300L</u> 300 slpm	<u>1CH</u> 1 channel <u>2CH</u> 2 channel <u>3CH</u> 3 channel <u>4CH</u> 4 channel <u>5CH</u> 5 channel <u>6CH</u> 6 channel <u>7CH</u> 7 channel <u>8CH</u> 8 channel	<u>V1</u> 230VAC, 50Hz <u>V2</u> 110VAC, 60Hz