



## NIFS Specifications

P/N: INIFS

Version : 1.0

Performance	
Range	100 µL/min to 10 mL/min
Accuracy	5% reading
Repeatability (10)	<0.001% full scale Standard deviation of mean values for same flow rate order
Sensor resolution	5 µL/min
Mechanical response time	10 s for reading
Settling time	10 to 30 seconds for regulation (depends on the volume to control and the setup)
Flow rate stability coupled with our F-OEM pressure controller	<0.07% full scale
Mechanical	
Weight	117 g
Dimensions	99.85 x 45.00 x 33.50 mm
Manifold	Aluminium
Valve	FKM/FKM, Stainless Steel
Interior tubing	Silicon platinum
Sensors	Anticorrosive stainless steel, Silicon gel
Operating temperature range	-10°C to 80°C
Storage temperature	-40°C to 85°C
Operating humidity	0-95% HR
Storage humidity	0-95% HR
Maximum pressure	2 bar
Maximum vacuum supply	-800 mbar
Sensor type	Piezzo resistive silicon pressure sensor
Pneumatic connections	4 mm OD
Mounting type	2x 3mm mounting holes
Gas Compatibility	Air
Gas temperature	4°C to 37°C
Electrical	
Digital communication interface	USB C
Readout sample time	100 ms
Power supply connector type	USB C
Power supply	5 V
Current supply	500 mA

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Maximum power consumption	2.5 W
Data Update Rate - data refresh rate	10 Hz
Digital Data Update Rate - internal refresh rate	10 Hz
Digital communication protocol	USB, I2C
Length of the electrical cable	1 m
Compatible operated system (OS)	Windows, Linux, MacOS
Software control	OxyGen or SDK
<b>Fluigent's product combination</b>	
Products	FOEM: via micro-USB or via USB-A connected to computer POEM/PX: via USB-A connected to computer NOT COMPATIBLE WITH Flowboard OEM
Accessories	2 mL reservoir + P-CAP lock 15 mL reservoir + P-CAP screw 50 mL reservoir + P-CAP screw