

Compressed Air Analysis - Flow



IAS-FS01 is a portable flow measurement kit for compressed air systems with a built-in large-capacity lithium battery. Built-in 4G module enables remote monitoring. True wireless solution, set-and-forget installation and setup, plug and play. The plug-in pitot flowmeter can be installed online without shutdown and can be adapted to different pipe diameters (optional: plug-in thermal mass flow meter). Extremely high sensitivity, the lower limit of gas measurement can reach 5 Nm/s. Innovative online auto- calibration function and professional anti-condensation technology



Large capacity battery
Super long standby



4G Module For Remote Monitoring



Extreme lower limit of measurement



Easy Installation

Plug and play

Inch	DN	ID (mm)	Min Flow (Nm³/h)	Max Flow (Nm³/h)
1	25	25	8.8	530
1¼	32	32	14.5	868
1½	40	40	22.6	1357
2	50	50	35.3	2120
2½	65	65	59.7	3583
3	80	80	90.5	5428
4	100	100	141.4	8482
5	125	125	220.9	13253
6	150	150	318.1	19085
8	200	200	565.5	33929
10	250	250	883.6	53014
12	300	300	1272.3	76340

* For more pipe sizes and flow ranges, please consult sales

Technical Data

Flow		Operating Environment	
Measuring Range	5 ... 300 Nm/s	Battery Box Operating Temperature	-20 ... +60 °C
Accuracy	±(1.5% RD + 0.3% FS) [1% RD Option]	Medium Temperature	-40 ... +150 °C
Medium	Dry / wet air and non-corrosive gases	Operating Pressure	0 ... 1.7 MPa(a)
Reference Conditions	20 °C, 1 bar(a) – ISO 1217 (Configurable)		
Pressure		Display & Data Log	
Measuring Range	0 ... 1.7 MPa(a)	Display	2.8" IPS LCD with capacitive touch
Accuracy	±0.5% FS	Data Log	Max. 10,000,000 values
Temperature		Power	
Measuring Range	-40 ... +150 °C	Battery Capacity	312 Wh
Accuracy	±0.5 °C	Charging Battery	100 ~ 240 VAC 50 ~60 Hz
Output		Others	
4 ... 20 mA Output (Standard)	Flow rate / Temperature / Pressure (Configurable)	Process Connection	G1/2"(ISO 228-1)
Pulse (Standard)	Consumption / Alarm	EMC	Compliant with IEC 61326-1
Digital Output (Standard)	Modbus RTU (RS485)	Weight	13.9 kg
Wireless Communication	Bluetooth Wi-SUN (Option) IOT-4G (Option)	Dimension	560×325×193 mm(L×W×H)
Connector	2 × 5pin M12, Female		

* The above are the technical data of pitot tube flow meter. For thermal mass flow meter, please consult sales

Order Information

Model	Description
IAS-FS01	Compressed Air Audit Suit - Flow, pole length 250mm, flow rate 5...300 Nm/s, built-in 312 Wh rechargeable battery, built-in 4G-IOT module

* For more order information please consult sales

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