



Our newly developed Lab 4.0 is an Allrounder for all laboratorial activities. Whether you need a Differential Pressure Manometer for very small measuring areas or a Particle Measurement System or Environmental Gas Analysis the Lab 4.0 is your device.

Output: via SD-Card
Incl. logger function (up to 10.000.000 measurements)

Measuring units airflow: m/s, km/h, ft/s, mph
Volume flow: m³/h, l/min, m³/s, cfm
Humidity: % rH
Temperature: °C, °F, °K

Display: TFT display with touch function

Resolution:
0.001 Airflow / Volumeflow
0.1% rH
0.1 °C /°F Temperature

Pressure modules:
+-250 Pa: +- 0.05 Pa, resolution 0.01 Pa
+- 2500 Pa: +- 0.5 Pa, resolution 0.01 Pa
burst overload capability: 100 kPa / long term: 60 kPa

Barometer:
0 - 400 kPa (4 Bar): +- 1kPa, resolution 0.1 kPa
burst overload capability: 800 kPa / long term: 400 kPa

Measuring rate: 5 measurements/s

Power supply: Li-Po battery 10000 mAh

Housing dimensions: 270*245*95 mm (L*H*D)
Weight: approx. 1220 grams / 2400 grams for the Stainless Steel version



Temp & Humidity-Sensor

Humidity 0...100%
Temperature: -40...85°C
Acc.: 1.5 %, ±0.1 °C



IAQ-Sensor

IAQ-Scala 0-500
Acc.: +- 15.0 %



VOC-Sensor

Ethanes, molar fraction 5 ppm, acc. 15%
Isoprenes, molar fraction 10 ppm, acc. 15%
Ethanol, molar fraction 10 ppm, acc. 15%
Acetones, molar fraction 50 ppm, acc. 15%
CO, molar fraction 15 ppm, acc. 12%



	Option	Description
	400.0350	Lab 4.0 - Manometer with 2 included modules: +/- 250 Pa, +/- 2500 Pa (other on request) Touch Screen and 10000 mAh Battery
	400.0351	Lab 4.0 - Manometer with 2 included modules: +/- 250 Pa, +/- 2500 Pa (other on request) Touch Screen and 10000 mAh Battery (Stainless Steel version)
	400.0355	Lab 4.0 - Particle Measurement System ISO 21501-4 >0.3µm, >0.5µm, >1.0µm, >5.0µm, >10µ Count efficiency: 50%@≥0.3µm, 100%@≥0.5µm 1.0 cf/min (28,3 l/min) Stainless Steel version
	400.0900 400.0901 400.0902	Temperature and Humidity probe in Stainless Steel VOC-Sensor in Stainless Steel IAQ-Sensor in Stainless Steel others on request
	400.0399	Transport case



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Choose your Lab 4.0
MC4.0 LAB Manometer with 2 included modules:
+/- 250 Pa, +/- 2500 Pa
or as Stainless Steel version



2

Choose your probes
Measurement with pitot tubes allow temperatures up to 350° C

Choose additional probes like Temperature and



3

Protect your instruments

and save money today by adding a transport case with a read-out unit for only 129 EUR with your initial order, compared to the price of 179 EUR when purchased separately.

Whilst every effort has been made to ensure the accuracy of this specification, we cannot accept responsibility for damage, injury, loss or expense from errors or omissions. In the interest of technical improvement, this specification may be altered without notice.

For pricing or any further information, please contact Omni Instruments Ltd.