

## Technical Data

Measurement principle:	cross correlation
Measurement range:	0 – 100 m/s
Typical accuracy:	+ / - 2 %
Repeatability:	better than 99,95 %
Drift:	0 %
Linearity:	100 %
Gas temperature:	0 – 400 °C (32 - 750 °F) 0 – 1000 °C (32 - 1800 °F)
Dust load range:	1 mg / m <sup>3</sup> – 2000 g / m <sup>3</sup>

## McON Air Portable Box

General use:	measurement box for measuring the velocity or volume flow of one channel
Case characteristic:	strong design by using co-polymers/watertightness, reinforced padlock protectors/ double-step latches
Exterior dimensions:	33,9 x 29,5 x 15,2 cm (13.37" x 11.62" x 6.00")
Weight:	5,5 kg
Protection rate:	IP 67
Colour:	black
Power supply:	90 - 264 VAC, 1,7 A max., 47-63 Hz
Operating temperature:	0 °C to +60 °C
Storage temperature:	-20 °C to +85 °C
Analog output:	4...20 mA (active)
Sensor cables:	4 pcs. sensor cable, 5-pole, 10 m

## McON Air Sensor Set

Type:	400/1150-D15-S2-SY-S
Gas temperature:	max. 400 °C
Antenna material:	stainless steel 1.4571
Antenna length:	max. 1150 mm (3 pcs. 350 mm each)
Antenna diameter:	15 mm
Outer sensor tube diameter:	28 mm
Ambient temperature:	max. 80 °C (sensor head)

## McON Air Sensor Packing

General use:	sensor transportation, storage of antenna extension tools
Case characteristic:	strong design by using co-polymers/watertightness, reinforced padlock protectors/ double-step latches
Exterior dimensions:	55,9 x 35,1 x 22,9 cm (22.00" x 13.81" x 9.00")
Weight:	12 kg including sensors and cables
Protection rate:	IP 67
Colour:	black

Technical Changes Reserved

**For further information please contact:****PROMECON**

PROMECON process measurement control GmbH

Steinfeldstr. 5  
D-39179 Barleben  
GermanyPhone +49 (0)39203 512-0  
Fax +49 (0)39203 512-202  
www.promecon.com  
info@promecon.com

# McON Air Portable

**Portable,  
plug & play solution  
for measuring hot and  
dusty gases**

- Online gas flow measurement
- Portable, plug & play
- Highly accurate
- No calibration, no drift, no cleaning
- Not affected even by high dust levels
- Works up to 1000 °C

PROMECON GmbH Germany  
Phone +49 (0)39203 512-0  
info@promecon.com  
www.promecon.com

## Measure hot and dusty gases anytime – anywhere

### Steps for successful measurement:

1. Fit the pre-assembled weld-on flanges
2. Connect sensors
3. Get instantaneous result of flow velocity and actual flow



Sensors including mounting adapters

- No calibration
- Automatic conversion of flow velocity into actual flow (m<sup>3</sup>/h, cbft/min)
- Log all data on SD-Card and convert into Excel®
- 4–20 mA signal available

## Our customers' opinion:

Thanks to McON Air Portable large process gas ducts are no longer a black box to us.

The best thing is the dual use: test measurement with data logger as well as field measurement with 4–20 mA output.

A real plug & play solution, always accurate results no matter how you handle the sensors.

It's rugged, it's compact, it's lockable. A really great mobile test kit.

### All PROMECON gas flow measurement technology in hand luggage size



Measurement box



All sensors and accessories



The complete set ready to go