

Technical data

| | |
|-------------------------------|---|
| measurement principle: | cross correlation |
| typical accuracy: | better +/- 2% |
| repeatability: | better 0,05% |
| drift: | 0% |
| maintenance/cleaning: | none |
| linearity: | 100% |
| hysteresis: | none |
| calibration: | none |
| gas temperature: | 20–1100°C |
| allowable dust contamination: | 1mg/m ³ – 2000g/m ³ |

Dimensions and weights

| | |
|--------------------------------|---|
| enclosure type: | Rittal AE1030.500 |
| dimensions: | 380 x 300 x 155 (width x height x depth) |
| material: | sheet steel |
| surface finish: | powder coated RAL 7035 |
| protection category: | IP66, NEMA 4 |
| weight: | 10 kg |
| option: | stainless steel enclosure AE 1004.600 |
| option: | rain roof |
| option: | wall mounting brackets |
| power supply: | 85 – 264 VAC |
| frequency: | 47 – 63 Hz |
| power consumption: | max. 0,8 A (115 VAC) / 0,4 A (230 VAC) |
| recommended circuit breaker: | 10 A (characteristic C or slow blow fuse) |
| temperature range (operation): | 0 ... 55°C |
| temperature range (storage): | -10 ... 65°C |
| I/O: | 1 x 4-20 mA, 2 x relay (error contact) |

For further information
please send a fax to:

PROMECON

Fax: +49(0)3 92 03-8 17 39

name (or company stamp)

company

street

postal code

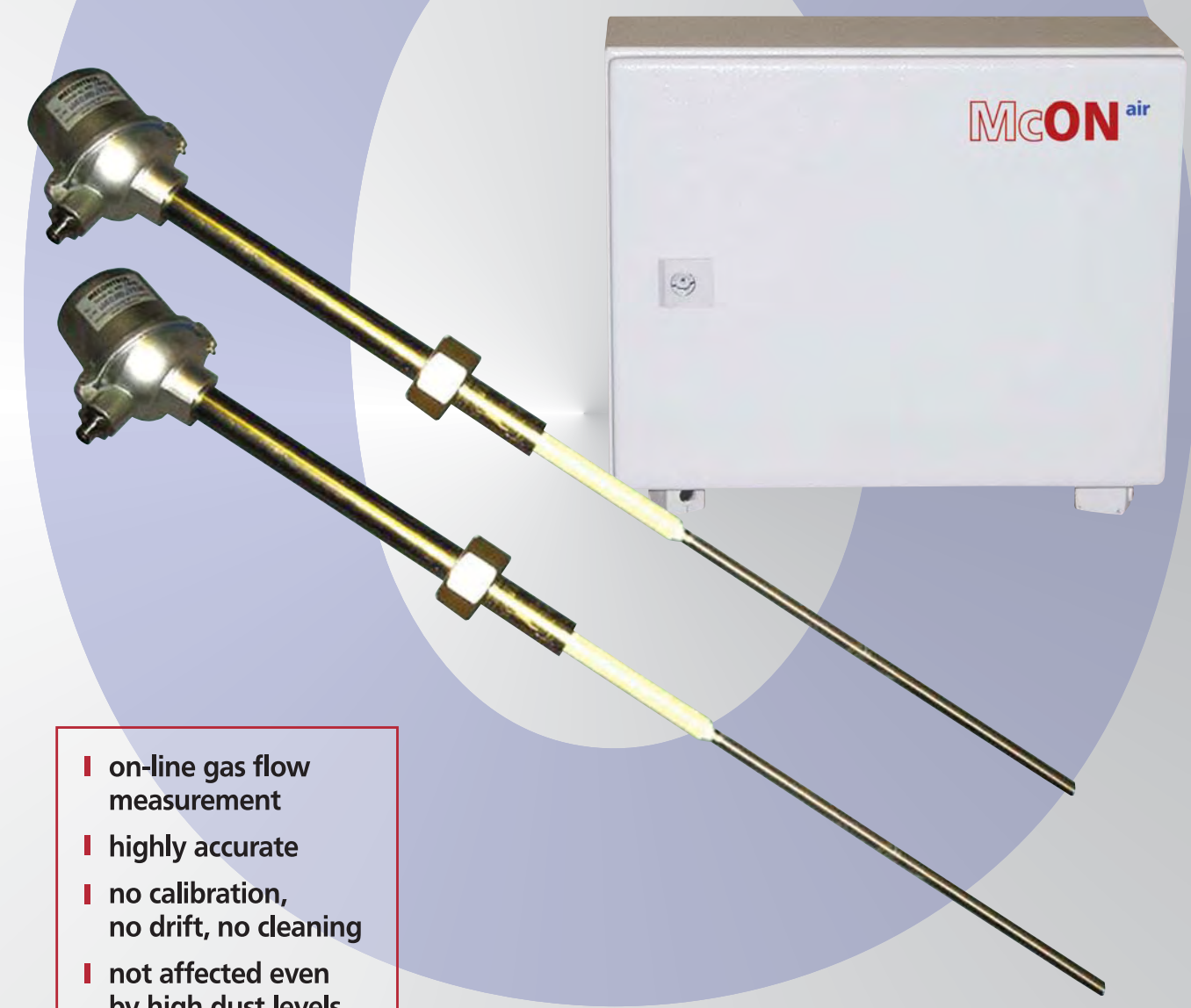
city

phone

McON air

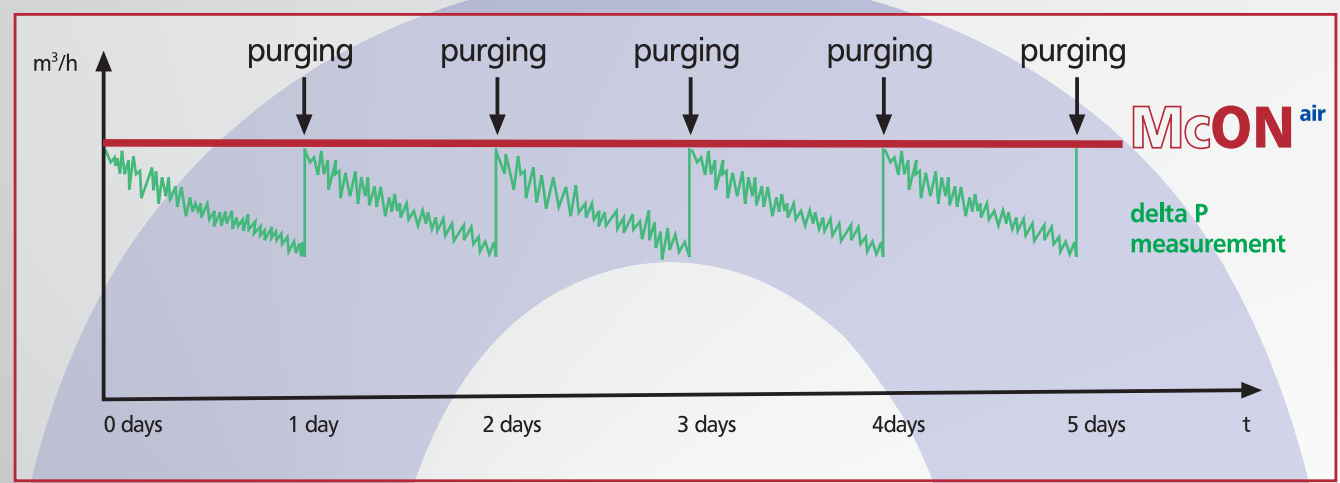
power – cement – smelters

**Maintenance free
gas flow measurement
for hot and dusty media**



- on-line gas flow measurement
- highly accurate
- no calibration, no drift, no cleaning
- not affected even by high dust levels
- works up to 1100 °C

Drift and calibration free gas flow measurement



In the past the choice was:

A conditional delta P measurement measures the mass flow accurately only for a limited time after cleaning. Hence a cyclical purging of the pressure tabs is necessary.

In case of fouling the delta P measurement will remain inaccurate even after cleaning.

McON air gives you:

McON air will always remain accurate even with highest dust levels since it is based on a per time measurement - no cleaning even at highest dust levels (2000g/m³). The actual flow is measured without the use of temperature and pressure measurements.

In addition the measurement always monitors the plausibility of the raw signals.

Our customers' opinion:

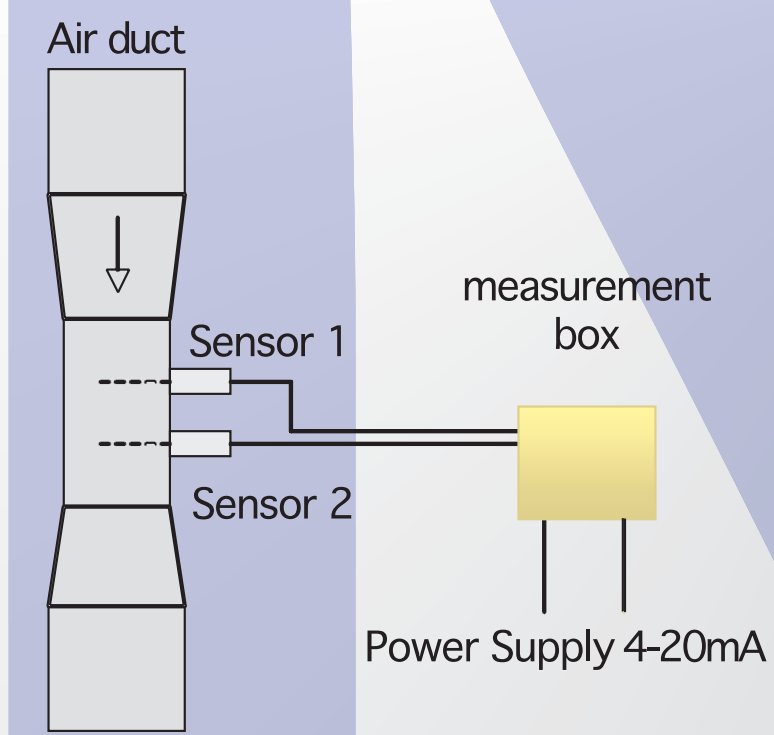
With McON air we don't have to keep cleaning the measurement system.

I now know, that our measurement values are always repeatable since they don't drift.

Commissioning is dead simple and doesn't need calibration - truly plug & play.

Since we've had McON air we didn't have to worry about recalibrating.

Installation via flange without calibration of the sensors



Installation of McOn air in power station