

PROMECON®

we focus on your process



McON IR

Operational cost reduction
through special technology
for off-gas measurement



TO MEASURE IS TO KNOW

 **DASTEC**
30 años de soluciones para la industria
www.promecon.com

McON IR

McON IR – System description

Components

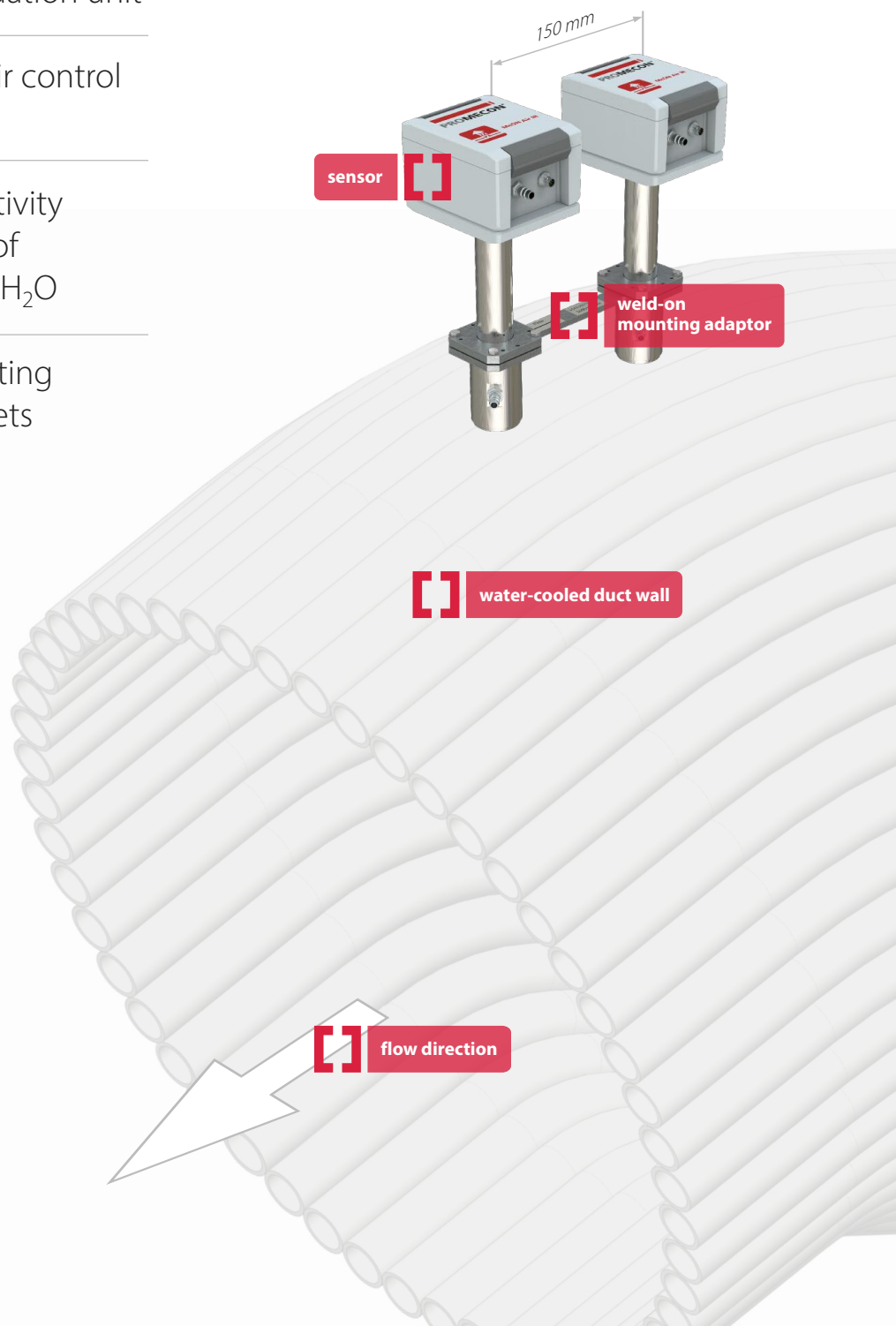
McON IR Central Unit: evaluation unit

McON IR Field Box: purge air control and sensor connection

McON IR Sensor: high sensitivity IR sensors for measurement of velocity, Temp, CO₂, CO, CH₄, H₂O

Accessories: weld-on mounting adaptor, cable and air hose sets

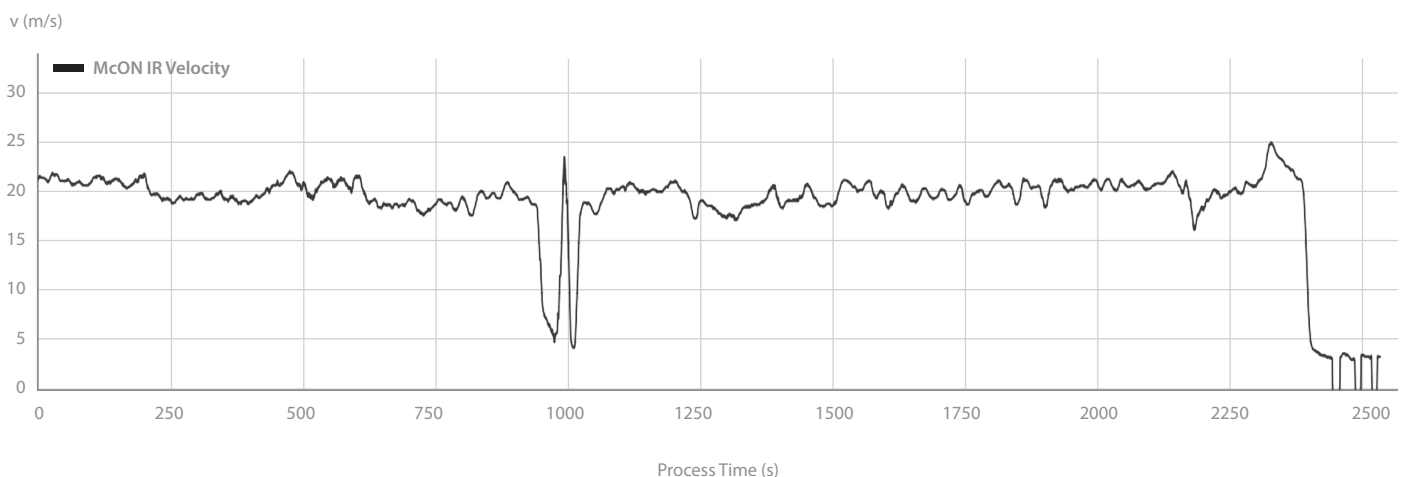
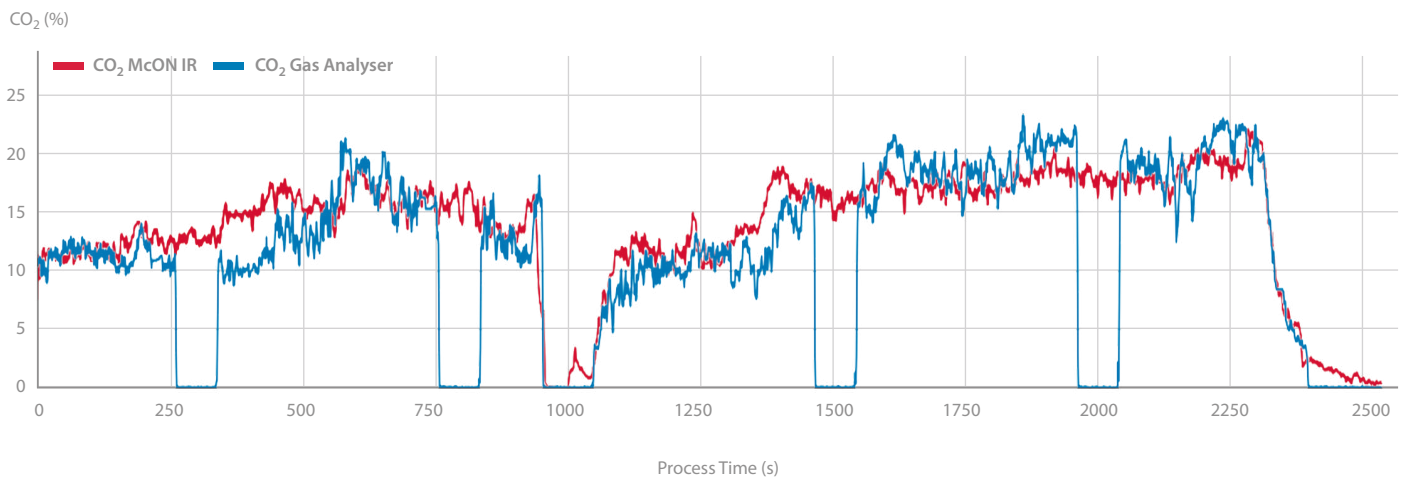
- ❑ IP 66 protected sensors, with pre aligned mounting adaptors
- ❑ Purge air/nitrogen connections on sensors and mounting adaptors
- ❑ Air quality is managed by included filter and conditioning unit



McON IR – Electric Arc Furnace application

- ❑ Gas flow measurement directly after the 4th hole
- ❑ Measurement of chemical composition CO₂, CO, CH₄, H₂O
- ❑ Measurement of gas temperature
- ❑ Optimisation of electrode and refractory wear, efficiency and operation cycles

Measurement of CO₂ and gas flow after the 4th hole of EAF



Benefits **McON IR**

- ❑ Unique measurement system for high temperature application (up to 2000°C)
- ❑ McON IR measures the air velocity directly and is calibration free
- ❑ The measurement principle is digital, reliable and absolutely drift free
- ❑ Direct gas-flow-measurement at the process outlet of EAF, BOF and lignite furnaces without additional flow by water quenchers
- ❑ Infrared (IR) sensors are non intrusive and have no wear, long operation intervals without cleaning

Furnace off-gas measurement

Contact us:

PROMECON
process measurement control GmbH
Steinfeldstraße 5 • D-39179 Barleben • Germany

Phone +49 (0)39203-512-0 • Fax +49 (0)39203-512-202
info@promecon.com • www.promecon.com



Contact



Representantes / Distribuidores Autorizados

🇦🇷 Argentina

Tel: (+54 11) 5352 2500

Email: info@dastecsrl.com.ar

Web: www.dastecsrl.com.ar

Imprint:

Editor: PROMECON process measurement control GmbH
Steinfeldstraße 5 • D-39179 Barleben • Germany
Conception/Design/Layout: toolboxx-media, Magdeburg • Germany
Picture credits: toolboxx-media; factor M; Andrey – Adobe Stock, Vershinin-M, Wead – istock

