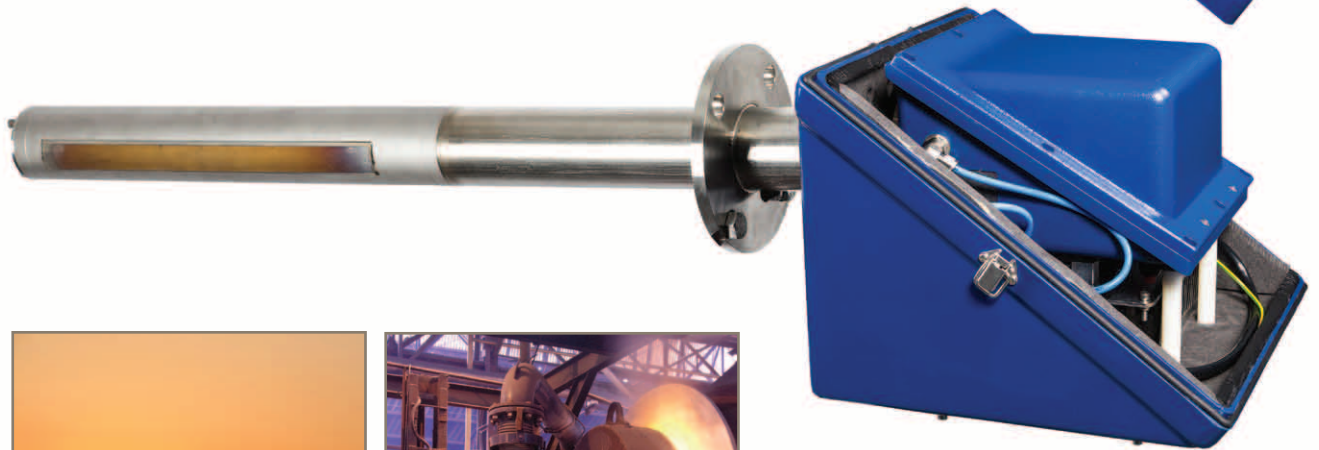




aerospace
climate control
electromechanical
filtration
fluid & gas handling
hydraulics
pneumatics
process control
sealing & shielding



Emissions Monitoring in the Iron & Steel Industries



Iron & Steel Emissions Monitoring



Procal analysers are used throughout the steel process from initial sintering of ore, coke production & blast furnace emissions, through to roll-mill reheat furnace emissions.

Of particular concern in this application are very high particulate loading and extreme temperatures both in the gas flux and ambient.

Gases can often be both in high concentrations and highly corrosive. The combination of reliability, corrosion resistance and flexibility of application enables the multi-component, in situ analyser to meet the requirements of the end-user and local Environmental Agencies.

The Procal 2000 analyser range is well suited to applications with a high dust load. Patented sintered filter technology is used to pre-clean the sample gas. No maintenance is required during operation and there are no additional consumables, ensuring a simple and well tested solution offering up-time for control of your plant.

Gases of interest and concentrations typically cover:

Sinter Plant

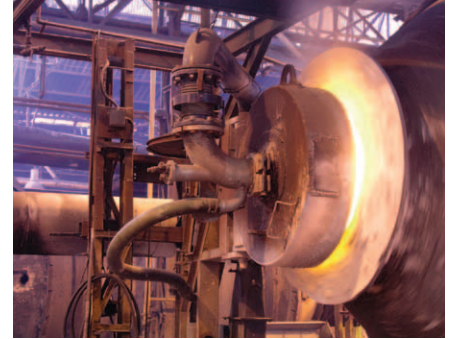
SO ₂	0 – 500 ppm
NO	0 – 400 ppm
H ₂ O	0 – 15%
CO	0 – 7000 ppm
NH ₃	0 – 100 ppm

Coking Plant

NO _x	0-600 ppm
CO	0-1500 ppm

Reheat Furnace

SO ₂	0-1200 ppm
NO	0-500 ppm
CO	0-500 ppm



A proven track record of reliability in high dust load environments:

Rolling Mill

NO	0 – 500 ppm
CO	0 – 500 ppm
CO ₂	0 – 1200 ppm

Sinter Plant

NO	0 – 600 mg/Nm ³
SO ₂	0 – 300 mg/Nm ³
NH ₃	0 – 100 mg/Nm ³



Parker Procal

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