

Iron & Steel Emissions Monitoring



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

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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 multicomponent, in situ analyser to meet the requirements of the end-user and local Environmental Agencies.

The P2000 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		Coking Plant	
S ₂ O	0-500ppm	NO _x	0-600ppm
NO	0-400ppm	CO	0-1500ppm
H ₂ O	0-15%	Reheat Furnace	
CO	0-7000ppm	SO ₂	0-1200ppm
NH ₃	0-100ppm	NO	0-500ppm
		CO	0-500ppm

A proven track record of reliability in high dust load environments

Rolling Mill		Sinter Plant	
NO	0-500ppm	NO	0-600 mg/Nm ³
CO	0-500ppm	SO ₂	0-300 mg/Nm ³
CO ₂	0-1200ppm	NH ₃	0-100 mg/Nm ³



This Datasheet is a guide to the product and Protea Ltd reserve the right to modify the product without notification.