



Fykays OxyComp-G

Fykays OXYCOMP-G - ONLINE OXYGEN ANALYSER

Fykays OXYCOMP - G works on the well-proven Zirconia sensor principle which enables detection of Oxygen in the furnace flue gas.

The OXYCOMP-G continuously monitors the amount of excess oxygen in the re-heating furnace gases. Once this is known, the user can control the amount of air injected using VFDs, Valves or other control systems



Special Features of Fykays OxyComp G

- Continuously monitors Oxygen left over after combustion
- Error margin of $\pm 0.01\%$
- Installed at over 100 locations across the country
- Made in India by Fykays Engineering Pvt Ltd
- Designed for Indian Conditions
- Unique installation system – allowing for years of trouble-free running

Scale losses and increased fuel consumption are caused mainly due to too much excess air in the furnace due to incorrect air: fuel ratio, causing the excess oxygen to oxidize the job in the re-heating furnace and sensible heat being carried away from the furnace requiring more fuel to be pumped in.



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Fykays OXYCOMP – G enables reduction of fuel consumption and scaling loss for years!

SCALE LOSSES AND FUEL LOSSES are the biggest causes of concern for all re-heating furnace owners, particularly in these recession-hit times.

Scaling Loss:

On an average, Indian scale loss is 1.5% to 3.5%. However, not many people are aware that the average international scale loss is 0.2% to 0.3%.

Fuel Consumption:

Indian consumption of fuel per MT of steel rolled is anywhere between 38 to 55 litres of FO, which is, again, way above the International average consumption of Furnace oil 28 - 32 litres/MT (depending upon the purity of the .

A reduction in fuel consumption by even 10% would effect savings of upto Rs. 15750/- per day or approximately Rs. 57 LACS per year (at an average consumption of 45 litres / MT and at a production level of 100 MT per day and taking the cost of Furnace Oil to be approximately Rs. 35/ Litre).

Unfortunately, fuel consumption figures in Indian Companies are much higher.

Under these circumstances, The Fykays OxyComp G is a MUST for all re-heating furnaces particularly when the payback period for this system can be as low as a few weeks to a maximum of couple of months!!!

For questions or additional information, please email us at systems@fykays.com