

# Application Note – Fluid Catalytic Cracker (FCC)

## Measure the following gases in Natural gas

- O<sub>2</sub> ppm
- CO % (ppm)
- CO<sub>2</sub> %
- Measure O<sub>2</sub>, CO and CO<sub>2</sub> in outgoing flue gas
- Measure CO and CH<sub>4</sub> in pure H<sub>2</sub>

Flue gas content	Concentration range
O <sub>2</sub>	0-10%
CO	0 – 1 %
CO <sub>2</sub>	0 – 20 %

Flue gas conditions	Range	
Temperature	650 -750 deg C	1300 - 1500 F
Pressure	2.5-3.5 barA	35 - 51 psiA
OPL / Path Length	Typical 2m	Typical 6 feet

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