



QUESTIONNAIRE FOR FLUE-GAS ANALYSIS

Portable Instruments

APPLICATION:

Boiler [ ] Burner [ ] Engine [ ] Car [ ] Forklift [ ] Process controls [ ]
Turbine [ ] Catalyst [ ] Stack [ ] Truck [ ] Other: \_\_\_\_\_

FUEL:

Natural Gas [ ] Distillate #1 [ ] Fuel #2 [ ] Anthracite coal [ ]
Fuel # 5 [ ] Bituminous coal [ ] Fuel #6 [ ] Bagasse [ ]
Propane [ ] Wood [ ] Kerosene [ ] Other: \_\_\_\_\_

FLUE-GASES (Measurement Channels):

Oxygen (O2) 0-20.9 Vol.% or [ ] Ammonia (NH3) 0-1000ppm or [ ]
Carbon monoxide(CO) 0-2000ppm or [ ] Chlorine (CL2) 0-250ppm or [ ]
Nitric oxide (NO) 0-2000ppm or [ ] Methane (CH4) 0-100% LEL or [ ]
Nitrogen dioxide (NO2) 0-200ppm or [ ] Carbon dioxide(CO2) 0-20% or [ ]
Sulfur dioxide (SO2) 0-4000ppm or [ ] Hydrogen (H2) 0-50000ppm or [ ]
Hydrogen sulfide (H2S) 0-200ppm or [ ] Ozone (O3) 0-200ppm or [ ]
Hydrocarbons (HC) 0-50000ppm(0-100% LEL) or [ ] Other: \_\_\_\_\_
Nitrous Oxide (N2O) 0-1000ppm or [ ]

\* Different measurement ranges available on request.

CALCULATED PARAMETERS:

Carbon dioxide CO2 0-25 Vol.% [ ] Combustion losses [ ]
Combustion efficiency [ ] Excess Air [ ]

TEMPERATURES:

Flue-gas temperature NiCr-Ni up to 2192 °F (1200 °C) [ ]
Flue-gas temperature PtRh-Pt up to 2732 °F (1500 °C) [ ]
Ambient Air temperature up to 248 °F (120 °C) [ ]

GAS SAMPLING PROBE LENGTH:

0.9 ft [ ] 2.5 ft [ ] 5.0 ft [ ]

GAS SAMPLING HOSE LENGTH:

11.5 ft [ ] Or: \_\_\_\_\_

FLUE-GAS ANALYZER:

portable [ ] stationary [ ]

POWER SUPPLY:

110V/60Hz [ ] 230V/50Hz [ ] Rechargeable battery [ ]

INTERFACES:

RS 232 [ ] 0-10V [ ] 4..20mA [ ] Video [ ] Or: \_\_\_\_\_

FEATURES:

Soot measurement [ ] Draft measurement [ ] Differential draft [ ] CO-bypass valve [ ]
CO-probe [ ] Flow meter [ ] Memory [ ] Printer [ ]
12 VDC power jack [ ] Pitot Tube: Length: \_\_\_\_\_ [ ] Other: \_\_\_\_\_

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Adress: \_\_\_\_\_

City: \_\_\_\_\_ Zip-Code: \_\_\_\_\_

Phone: \_\_\_\_\_

Fax: \_\_\_\_\_