**Please provide the following information to help us provide a system that exactly suits your requirements.**

**Please don’t hesitate to contact us if you have any questions or if you need help filling out this questionnaire.**

|  |  |  |
| --- | --- | --- |
| **CUSTOMER:** **Company****Contact name****Address****City, State, Zip code** | Email: | **your email address** |
|  |
| Phone: | **your phone number** |
|  |
| Date: | **Date** |

|  |  |  |
| --- | --- | --- |
| **Industry:**  |  | ***Others \*1***  |

|  |
| --- |
| **OPTIMA 7 BIOGAS ANALYZER # 410070** |
| **• O2 Long Life sensor** (with 4 - 5 years life expectation) | 0 … 21% |
| **• CH4** | 0 … 100% NDIR |
| **• CO2** | 0 … 100% NDIR |
| **• H2S** | 0 … 2,000 ppm |
| **•** Optimized, backlit condensate separator with re‐usable PTFE (pleated) filter for protection against dust and soiling |   |
| **•** IRDA interface for high speed infrared printer ***(printer not included)*** |
| **•** Mini‐USB interface for cable data transfer to PC |
| **•** SD card reader incl. activating software |
| **•** Internal data storage for up to 16000 measurements,  with color data records visualization on display |
| **•** Battery and mains operation |
| **•** High energy Li‐Ion battery, with 6 - 8 hours mains free operation |
| **•** 100 - 240 Volt Battery charger |
| **•** Biogas sampling line Ø3x2mm silicone with 5m length and stainless steel instrument  gas inlet port |
| **•** Modern, slim line enclosure with fixing magnets |
| **•** Super bright, color 3,5” TFT display with LED backlight  ***(customizable and zoom function)*** |
| **•** Integrated, backlit condensate separator with PTFE filter and additional spare filter |
| **•** Menu guided software and function keys |

**Optional sensors for use at flue gas emission measurements of cogeneration engines:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **SENSOR** | **REMARKS** | Range | overload | **Part #** |
| **[ ]**  | **CO** (H2 compensated) |  | 0 – 4,000 ppm | 10,000 ppm | **63132** |
| **[ ]**  | **NO**  | **With calculated NOx** | 0 – 1,000 ppm | 5,000 ppm | **63058** |
| **[ ]**  | **NO2**  | **Needed for true NOx** | 0 – 200 ppm | 1,000 ppm | **63059** |

**CO and NO/NO2 low are software options – this is not an additional sensor!!!**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **[ ]**  | **CO low Requires Part #: 63132 CO Sensor** | 0 – 300 ppm | 0.1 ppm resolution | **63133** |
| **[ ]**  | **NO low Requires Part #: 63058 NO Sensor** | 0 – 300 ppm | 0.1 ppm resolution | **63135** |
| **[ ]**  | **NO2 low Requires Part #: 63059 NO2 Sensor** | 0 – 100 ppm | 0.1 ppm resolution | **63135** |

**Select your options:**

|  |  |  |
| --- | --- | --- |
| **[ ]**  | High accuracy differential pressure sensor and measurement +/– 100 hPa for continuous draft measurement | **63316** |
| **[ ]**  | Combustion air temp probe – 8” (200 mm) |   | **62928** |
| **[ ]**  | High speed IR printer. |   | **62693** |
| **[ ]**  | ABS transport case. |  | **62931** |
| **[ ]**  | Automatic measurement incl. data logging function, user-specific adjustable - Determination of average value, storing on SD card |  | **64158** |
| **[ ]**  | Shoulder strap for analyzer |  | **63218** |
| **[ ]**  | AUX input |  | **63136** |
| **[ ]**  | Gas detector, HC. Requires AUX input #: 63136 |  | **63086** |
| **[ ]**  | Gas flow velocity. Requires Pitot tube and Option #: 63316 |  | **63139** |
| **[ ]**  | Pitot tube 12” x 0.2” (300mm x 6 mm) |  | **85120** |
| **[ ]**  | Pitot tube 20” x 0.2” (500mm x 6 mm) |  | **85130** |
| **[ ]**  | Pitot tube 31.5” x 0.2” (800mm x 6 mm) |  | **85132** |
| **[ ]**  | Pitot tube 40” x 0.2” (1000mm x 6 mm) |  | **85133** |
| **[ ]**  | MRU Online View for transfer to PC |  | **15157** |
| **[ ]**  | Bluetooth module for wireless data transfer to a PC |  | **63363** |

**Select your consumables:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **[ ]**  | ·   Service & cleaning set |   |   | **63140** |
| **[ ]**  | ·   Replaceable filter elements |   |   | **11165** |
| **[ ]**  | ·   Printer paper rolls (5 rolls) |   |   | **59465** |



**Choose a probe if needed:**

|  |  |
| --- | --- |
| **Industrial Probe.** Industrial probe handle for exchangeable probe tubes; integrated NiCrNi thermocouple; type “K” connector, 9’ (2.7 m) gas sampling hose and draft hose; stainless steel connectors. With: |  |
| **[ ]**  | ·  **9’** (2.7 m) Viton hose  |  **(probe tube must be selected below)**  | **This is the most selected probe handle**  | **62741** |
| **[ ]**  | ·  **16’** (5.0 m) Viton hose  |  **(probe tube must be selected below)**  |   | **62747** |



**Choose your Probe Tube for the Industrial Probe if needed:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **[ ]**  | ·  Exchangeable probe tube 4” x 0.3” (100 mm x 8 mm) | **≤ 1200°F** (650°C) |  | **55583** |
| **[ ]**  | ·  Exchangeable probe tube 7” x 0.3” (180 mm x 8 mm) | **≤ 1200°F** (650°C) |  | **55583** |
| **[ ]**  | ·  Exchangeable probe tube 12” x 0.3” (300 mm x 8 mm) | **≤ 1200°F** (650°C) | **This is the most selected probe tube**  | **55583** |
| **[ ]**  | ·  Exchangeable probe tube 20” x 0.3” (500 mm x 8 mm) | **≤ 1200°F** (650°C) |  | **59292** |
| **[ ]**  | ·  Exchangeable probe tube 20” x 0.4” (500 mm x 10 mm) | **≤ 1200°F** (650°C) |  | **55806** |
| **[ ]**  | ·  Exchangeable probe tube 30” x 0.4” (750 mm x 10 mm) | **≤ 1200°F** (650°C) |  | **55672** |
| **[ ]**  | ·  Exchangeable probe tube 40” x 0.4” (1000 mm x 10 mm) | **≤ 1200°F** (650°C) |  | **55673** |
| **[ ]**  | ·  Exchangeable probe tube 60” x 0.4” (1500 mm x 10 mm) | **≤ 1200°F** (650°C) |  | **55674** |
| **[ ]**  | ·  Exchangeable probe tube 80” x 0.4” (2000 mm x 10 mm) | **≤ 1200°F** (650°C) |  | **55464** |
| **[ ]**  | ·  Exchangeable probe tube 30” x 0.4” (750 mm x 10 mm) | **≤ 2000°F** (1100°C) |  | **60626** |
| **[ ]**  | ·  Exchangeable probe tube 40” x 0.4” (1000 mm x 10 mm) | **≤ 2000°F** (1100°C) |  | **56737** |
| **[ ]**  | ·  Exchangeable probe tube 60” x 0.4” (1500 mm x 10 mm) | **≤ 2000°F** (1100°C) |  | **56738** |

**Your comments:**

**Email this questionnaire to: info@mru-instruments.com**

We will be more than happy to send you a quotation for the above chosen Analyzer and Options.

If you have any questions regarding this Analyzer or any other of our Analyzers and Instruments,

please feel free to contact us at any time.