**Pulsar (NDIR) Technical Checklist**

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| --- | --- |
| *Application Details* |  |
| *Industry Type* |  |
| *Analyser Location* |  |
| *Sample Gas Composition* |  |
| *Temperature of Sample Gas* |  |
| *Pressure of Sample Gas* |  |
| *Moisture Content – Yes/No* |  |

**Power Supply:**   110VAC/220VAC (Standard – Universal)

24VDC

***PULSAR NDIR OPTIONS:***

**Gases & Cell Range: Specify gases to be measured and range of measurement you are looking at**

Carbon Monoxide (CO)  GFC CO AA (0-100ppm)

GFC CO A (0-1000ppm)

GFC CO B (0-10,000ppm)

GFC CO C (0-10%)

GFC CO E (0-100%)

Carbon Dioxide (CO2)  GFC CO2 AA (0-100ppm)

GFC CO2 A (0-1000ppm)

GFC CO2 B (0-10,000ppm)

GFC CO2 C (0-10%)

GFC CO2 D (0-20%)

GFC CO2 E (0-100%)

Nitrous Oxide (N2O)  GFC N2O A (0-1000ppm)

GFC N2O B (0-10,000ppm)

Nitric Oxide (NO)  GFC NO A (0-1000ppm)

GFC NO B (0-10,000ppm)

Sulfur Dioxide (SO2)  GFC SO2 A (0-1000ppm)

GFC SO2 B (0-10,000ppm)

GFC SO2 C (0-10%)

Methane (CH4)  GFC CH4 A (0-1000ppm)

GFC CH4 B (0-10,000ppm)

GFC CH4 E (0-100%)

Hydrogen Chloride (HCL)  GFC HCL A (0-1000ppm)

GFC HCL B (0-10,000ppm)

Oxygen (O2)  Paramagnetic

Electrochemical

**Front Panel:**  Blank

Removable Wireless Tablet

**Gas Handling\***  Basic Single Inlet (Standard – FOC)

Calibration Gas Handling

Full Gas Handling

**Output\***

**(Analogue outputs are either 0-10VDC or 4-20mA)**  0-10VDC (Standard)

4-20mA (optional at extra cost)

Upgraded chart output

(20 additional alarms)

**MI/995 – Analogue Output SCSI Cable**   Yes

**(optional at extra cost)**   No

***Notes:***

- Blank Panel is provided with free issued S4i software to act as remote display and to automate coarse and fine calibration. Display: Removable wireless tablet with on-board logging facility.

- Internal Gas Handling: Basic option is single inlet for all sample and calibration gases. The following options are available as upgrades:

\* Calibration Gas Handling: Single sample inlet. Separate solenoid-controlled calibration gas inlets.

\* Full Gas Handling: Separate inlets for all samples and calibration gases. Fully solenoid controlled via analyser software.

- The standard I/O includes 3 contact closure alarm outputs. This upgraded option has 23 user configurable contact closure that can be used for alarms or to control external functions such as down-the-line calibration.