**Solar (FID) Technical Checklist**

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

Solar FID Type\*: [ ]  HFID-THC

 [ ]  HFID-DNMHC

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

 [ ]  24VDC

Fuel Gas: [ ]  H2He (Standard)

 [ ]  H2 Fuel

Range Required: [ ]  0-1000ppm

 [ ]  0-10,000ppm (Standard)

 [ ]  0-100,000ppm

*SOLAR FID OPTIONS:*

AS90 Internal Air Purifier\*: [ ]  Yes

 [ ]  No

Front Panel: [ ]  Blank

 [ ]  Removable Wireless Tablet

Pumps\* [ ]  Internal heated sample pump

 [ ]  Internal air pump

 [ ]  External heated pump

 [ ]  External air pump

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:*

- HFID-THC is a heated flame ionisation detector to measure total hydrocarbons in a sample.

- HFID-DNMHC is a heated flame ionisation with dual detector to measure methane, non-methane and total hydrocarbons in a sample.

- AS90 is a built-in heated catalyst air purifier to supply hydrocarbon free air for increased stability and drift.

- Blank Panel is provided with free issued S4i software to act as remote display and to automate coarse and fine calibration. Display: Removable 6inch Wireless Tablet screen with on-board logging facility.

- Options for either internal or external sample pump where sample is not under positive pressure. External sample pump recommended for applications operating 24/7 and for ease of servicing.

- Options for internal or external air pump for zero calibration and FID flame air supply.

- 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 where valves to introduce calibration gas at the sample inlet point can be controlled automatically.