**Solar (FID) 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* |  |

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.