**Solar Xplore (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 Xplore FID Type\*: [ ]  HFID-THC

 [ ]  HFID-DNMHC

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

 [ ]  24VDC

 [ ]  Mains + 24VDC

Power Cable: [ ]  UK

(Region specific connector) [ ]  EU

 [ ]  USA

 [ ]  China

 [ ]  Other (please specify)

Fuel Gas: [ ]  H2He (Standard)

 [ ]  H2 Fuel

Range Required: [ ]  0-1000ppm

 [ ]  0-10,000ppm (Standard)

 [ ]  0-100,000ppm

*SOLAR XPLORE FID OPTIONS:*

Internal Air Purifier\*: [ ]  Carbon Trap

 [ ]  AS90

Output\*

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

 [ ]  4-20mA (optional at extra cost)

Heated Line: [ ]  3 metres

 [ ]  5 metres

 [ ]  10 metres

 [ ]  15 metres

 [ ]  None

Gas Bottles: [ ]  Yes

 [ ]  No

Gas Bottles\*: [ ]  Empty

(Fuel & Calibration gas bottles with regulator) [ ]  Filled

*NOTES/FEATURES:*

- 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.

- INTERNAL ZERO AIR GENERATOR: AS90 is a built-in heated catalyst zero air generator to supply hydrocarbon free air for increased stability and drift.

- PUMPS: Solar Xplore comes as standard with internal heated sample pump and internal air pump.

- DISPLAY: Detachable Wireless Tablet screen with on-board logging facility.

- Due to international shipping constraints for hazardous gases, we recommend purchasing empty gas bottles and filling them at local gas supplier.