



Lonestar and ATLAS Technical Specifications

Issue/Version	Date	Author	Details
OW-004559-TM-1B	14/02/2013	Jonathan Angove	The Original

Table 1 Lonestar Analyser Technical Specifications

Parameter	Specification
Mains Input Voltage	100V - 240V, 50-60Hz AC
Mains Input Current	1.0A (max) at 115V 0.5A (max) at 240V
Output Voltage	12Vdc \pm 2.5%
Max Output current	8A
Max Output Power	110W
Storage Temperature range	-30°C - +60°C (unit off) (-20F - +140F)
Operating Temperature range	5°C – 40°C (40F – 105F)
Operating Humidity range	5% - 90%RH
Weight	7.8kg
Dimensions	380mm x 270mm x 230 mm
Connectors – Side Panel	2 x USB 2.0 Type A 1x GPIO port (8 bit) 9 pin D plug 1x RS485 port – 9 pin D plug 2x Ethernet RJ45 Network port 1x Power connector: Lemo 3 (v2.0) Lemo 2 pin (v2.1, 2.2)
Connectors – Front Panel	1x USB 2.0 Type A
Mains adaptor qualification	The mains adaptor is for operation at installation category II (transient voltages) and pollution degree II in accordance with IEC 664 at altitudes up to 2000 metres.
CE Marking	CE Marked to BS EN 61010:2001 Safety requirements for electrical equipment used for measurement, control and laboratory use- part 1: General requirements

Table 2 Lonestar Analyser Gas Supply Specifications

Gasline Parameter	Specification
Supply Pressure	40psi (2.8bar)
Gas dryness	<-45°C dewpoint
Hydrocarbon Content	<0.1ppm as methane

Table 3 ATLAS Heater Control Box Electrical Specification of

Parameter	Specification
Input Voltage	100–240Vac 47-63Hz
Max Input current	0.6A@ 240V, 1.3A@110V
Output Voltage	24Vdc ±2.5%
Max Output current	5.0A
Max Output Power	120W

Table 4 ATLAS Pneumatic Control Box Electrical Specification of – ONLY if ATLAS Sample Stirrer Module is present

Parameter	Specification
Input Voltage	110 or 240V (manually switched)
Max Input current	0.07A@ 240V 0.16@ 110V

Table 5 ATLAS component dimensions

Component	Dimensions (w h d) / mm	Weight / kg
ATLAS Sampling Module Assembly	200 x 170 x 130	3.8
ATLAS Pneumatic Control Box	365 x 105 x 320	3.4
ATLAS Heater Control Box	365 x 95 x 320	5.0