



## Pre-installation Guide – Installation and Location

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### Installation and Location



The total un-packaged Lonestar® system weighs ~7.8kg. The total un-packaged Lonestar® plus ATLAS system weighs ~20kg. Please take care in handling to avoid injury.

Before using the system, ensure that all power cables are intact with no damaged insulation or frays.

- Ensure that the Lonestar® system is placed on a solid, level surface, which is able to support its weight
- Only use the Owlstone® supplied power supplies
- The power supplies should only be sited where they will not come into contact with moisture and are unlikely to have liquids spilt on them
- Ensure cabling is routed behind the system, at bench level, posing no risk of tripping. Ensure all cables are detached from the Lonestar® system before attempting to move it
- The Lonestar® system gets warm during operation; handle with care and ensure there is adequate ventilation around the system
- Do not block ventilation holes
- Do not place in a confined or poorly ventilated space. Allow at least 50cm clearance from walls and ensure free flow of air around the system
- The Lonestar® exhausts the sample gases, which may pose a health risk. Risk Assessments must be performed based upon the analytes and sample matrix being analysed, either ducting the exhaust gas into a fume hood or mounting the Lonestar® system in a fume hood
- Do not place near flammable materials
- The Lonestar® requires a single power outlet; however, if the ATLAS™ and Split Flow Box are purchased, then a further three power outlets are required.
- For further information regarding the power requirements of the system being purchased, please see the relevant “Technical Specifications” document in either the “Installation of Lonestar®”, “Installation of Lonestar® – ATLAS” or “Installation of Lonestar® – ATLAS – SFB” forums.
- The Lonestar® systems require clean, dry, compressed air unless a pump is being used to draw sample gas through the Lonestar® system. The requirements for the clean, dry, compressed air is <math>< -45^{\circ}\text{C}</math> dewpoint, hydrocarbons <math>< 0.1\text{ppm}</math> as methane and a supply pressure of 40psi (2.8bar).