

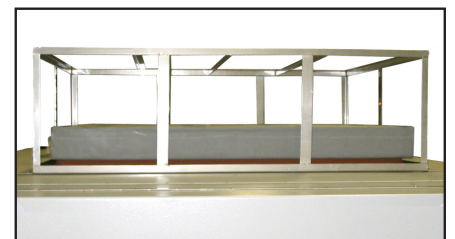
Battery Test Chambers: Safety Features

Thermotron has proven and effective solutions for battery testing that exceed industry standard testing specifications. There are many factors to consider when testing batteries, two important ones are operator safety and minimizing equipment damage. Thermotron offers a variety of safety features options when testing battery packs, cells, or modules.

Minimal Spark	Minimizes the possibility of a fire igniting inside the chamber.
Blow Out Port	Allows for the venting of pressures without damage to the chamber or user. Can be located at the top or side of the chamber. A metal cage covers the port to block chamber contents from escaping.
Explosion Proof Interior Light	Specially configured and designed protective case prevent damage to the bulb.
Exterior Light	A light source mounted on the outside of the chamber guarantees the bulb will not explode from extreme conditions.
Gas Detector and Monitor	Monitors for the presence of hazardous gas and alerts users.
Intrinsic Safety Isolation Barrier	User protection for safe operation in dangerous atmospheres and under irregular operation conditions.
Non-Sparking Fan Blade	Ensures the fan will not act as a spark-starting agent.
Reinforced Floor	Augmented chamber floor for safe testing of heavy or multiple batteries.
Sheath Heater	Prevents temperatures inside the chamber from increasing the auto ignition temperature.
Nitrogen Purge	Eliminates oxygen content inside the chamber, hindering fires.
Hand Wheel Door Latch	Heavy-duty door handle ensures that pressures will not blast door open.
Handle Latch	Secures closed chamber door while a proximity switch detects whether the door is properly locked, this also acts as a blow-out protection option.



Explosion Proof Interior Light



Blow Out Port



Hand Wheel Door Latch