

Locked into Safety

Niton Apollo LIBS Analyzer

The Thermo Scientific™ Niton™ Apollo™ handheld LIBS analyzer is committed to your safety. Our team of experts have developed three (3) safety interlocks designed to reduce the risk of a laser misfire.



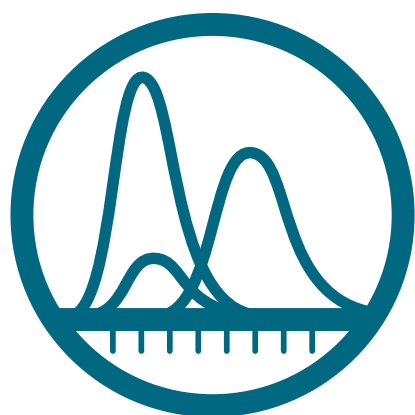
Pressure

Determines whether the analyzer has made a complete seal on a sample by measuring the argon pressure in the sample chamber. Appropriate levels of pressure are required to allow the laser to fire. If the sample is removed mid-analysis the loss of pressure signals the laser to shut down.



Camera

Works by monitoring light and darkness in the sample chamber. If the chamber is dark, it is an indication that a sample is present, enabling the laser to fire. If the analyzer detects light, software will notify the laser to shut down.



Sensor

In the unlikely event that the laser fires without a sample present, software detects the absence of spectral data and shuts down the laser in a fraction of a second after one pulse.