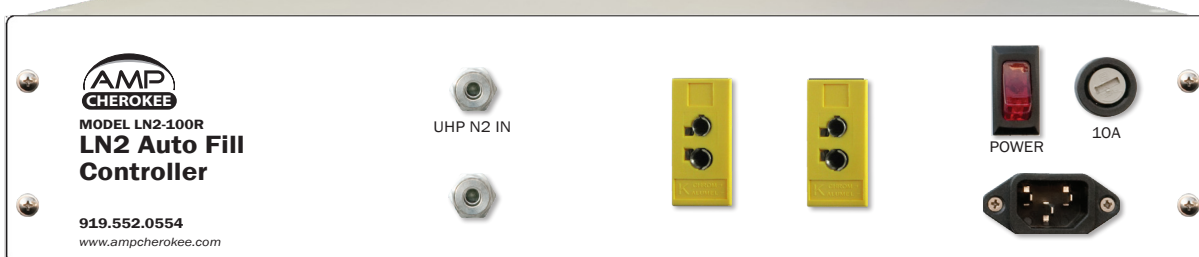


LN2-100R Liquid Nitrogen Auto-Fill Controller



Automated LN2 Refilling for Continuous Cooling of the FTIR Detector

FTIR analyzers are seeing increased usage by source testing consultants and in industrial CEMS applications. Many FTIR analyzers require that the detector be cooled with liquid nitrogen (LN2). Operators typically need to add LN2 every 8 to 12 hours during operation, minimizing their runtimes.

The AMP-Cherokee LN2-100R Auto Fill Controller provides automatic or operator initiated refilling of liquid nitrogen (LN2) to the on-board FTIR analyzer reservoir, allowing for continuous, unattended operation and enhanced safety.

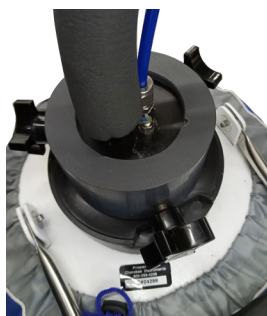
Operational Advantages

- One temperature sensor monitors the liquid nitrogen level in the FTIR reservoir, and one sensor monitors the Dewar.
- LN2 is automatically transferred from the Dewar, maintaining the analyzer LN2 level for keeping the detector cooled.
- During startup, an empty FTIR analyzer reservoir normally can be filled in under 2 minutes.
- The operator can also manually fill the reservoir.

Specifications

Control Unit Size	2U rack-mount
Initial Fill Time	90 - 120 seconds
Typical LN2 Consumption	0.6 - 0.9 Liters/24 Hrs.
Nitrogen Supply Pressure	10 psi
Connections	1/4 inch Swagelok
Power	120VAC, 60 Hz

Request a Quote
919.552.0554
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Dewar Adapter



Analyzer Fill Nozzle



Analyzer Connection