

NLO Series

Nitrogen Liquid Observation System

Direct Tank Mount
Easy Mobility
Weight Display
Remote Monitoring



Astec's NLO (Nitrogen Liquid Observation) System is a state-of-the-art LN2 tank monitoring system that utilizes weight sensing, the most accurate method to monitor LN2 consumption.

Employing weight sensing technology, Astec NLO overcomes the shortcomings of traditional level measurement techniques:

- Level sensing only alerts you when the LN2 meets a preset level, making it impossible to record daily consumption trends.
- The single alarm does not provide sufficient advance warning of potential LN2 tank insulation failure.
- LN2 level measurements can vary depending on the operator, which can result in inconsistency.

Astec NLO moves beyond traditional level measurement methods, and offers the following advantages:

- Greater LN2 consumption measurement accuracy and reliability
- Remote monitoring and record keeping available through LabKeeper
- Adjustable alarm
- Enhanced LN2 tank mobility

Easy Mobility

NLO's 4 casters give your LN2 tank easy mobility, allowing you to place your LN2 tank anywhere within your lab. For example, you can store the NLO with tank away from high traffic areas, and bring the tank with NLO into position when you need it. Anyone in the lab can position a tank with NLO safely and effortlessly.



Digital Display



The NLO shows the weight on an easy-to-read digital display. The remaining amount of LN2 is shown by offsetting LN2 tank weight. The clear digital display aids the operator in reading the remaining weight daily, while also ensuring consistent weight measurement and record-keeping, no matter who the operator is.

Remote-Monitoring

Astec NLO can be integrated with Astec LabKeeper through alarm contact and voltage outputs. This enables you to keep track of LN2 tank weight remotely through LabKeeper, and even receive alerts when the weight meets a pre-defined level. This advanced functionality allows you to keep your lab safe even when you are not there!



Model	NLO-10	NLO-20	NLO-30
Load Capacity		200kg	
Analogue Output		0-5V	
Detection Output	2 Points (Upper/Lower Limit)		
Outer Dia.	410mm	490mm	700mm
Power	AC100~240V, 50/60Hz, 58VA		