



# ML-310ES DeNova Detect 6-Year Battery-Powered Natural Gas Alarm

## Revolutionary Sensing Technology Enables Superior Features and Performance

- **10% LEL gas alarm threshold** alerts you to emergencies much sooner with 11 minutes more alert time on average than a 25% LEL gas alarm threshold, validated by Fire & Risk Alliance
- **Virtually eliminates nuisance alarms** caused by harsh household chemicals, such as laundry detergent, disinfectant spray, aerosol hairspray, furniture polish, etc. validated by GTI testing
- **Micro-Electro Mechanical System (MEMS) sensor technology** provides accurate and faster Methane gas detection than other sensors  
\* Remote self-diagnostics \* No calibration needed
- **6-year battery and product service life**
- **Battery-Powered device** enables installation close to ceiling (where natural gas is more accurately detected, as natural gas is lighter than air and rises towards the ceiling) without the need for a cosmetically displeasing cord
- Operates in temperatures ranging from **32°F to 122°F and a humidity range of 5% to 95% RH**, non-condensing
- Voice alerts in **both English and Spanish** announce warnings
- **UL 1484** Standard compliant

DeNova Detect Natural Gas Alarms seamlessly integrate with the LoRaWAN network and Itron Advanced Metering Infrastructure (AMI).

Our 10-year Battery-Powered Natural Gas alarm is coming soon.

## Specifications

Model Number	ML-310ES
Conforming standards	FCC certified and listed to UL 1484, MEMS sensor listed with UL 2075
Detection principle	MEMS hot-wire semiconductor sensor
Target gas	Methane (Natural Gas)
Operating temperature range	32°F (0°C) to 122°F (50°C)
Operating humidity range	5% to 95%, no condensation
Power supply	3V Lithium battery
Alarm level	10% LEL*
Speaker output	Gas alarm: 85 dB @ 10 ft
Battery lifetime	Approximately 6 years
Dimensions	W 3.35in x H 3.94in x D 0.87in
Installation	Pipe mount by cable ties or wall mount with hardware

\* LEL, short for "Lower Explosive Limit", is defined as the lowest concentration (by percentage) of a gas or vapor in air that is capable of producing a flash of fire in presence of an ignition source (arc, flame, heat).



Listed to UL  
STD 1484

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