



# ML-310ES

## Natural Gas Alarm



### Revolutionary sensing technology enables superior features and performance

- **10%LEL gas alarm threshold** alerts you to an emergency situation much sooner than traditional technologies that are designed to alarm at 25%LEL
- **Virtually eliminates nuisance alarms** caused by harsh household chemicals, such as laundry detergent, disinfectant spray, aerosol hairspray, furniture polish, among others
- **Micro-Electro Mechanical System (MEMS) sensor provides accurate and faster detection** of Methane gas than traditional type sensors
- **MEMS sensor technology allows approximately 5 years of battery life**, as compared to 1 year of battery life on conventional sensors
- **Battery powered device** enables installation close to ceiling (where natural gas is more accurately detected, as natural gas is lighter than air and therefore rises towards the ceiling) without the need of a cosmetically displeasing cord
- **Device can be installed in a wider variety of environments** compared to traditional technologies, including a temperature range of 32°F to 122°F and a humidity range of 5% to 95%RH, non-condensing
- **Voice alert in both English and Spanish:**  
*"Danger – gas leak explosion risk – evacuate, then call 911"*  
*"Peligro – riesgo de explosión por fuga de gas – evacuar, luego llamar al 911"*

### Specifications

Model Number	ML-310ES
Conforming standards	UL standard (UL1484)
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 5 years
Dimensions	W 85mm x H 100mm x D 22mm
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).



Intertek  
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Conforms to  
UL STD 1484

## DeNova Detect

www.Denovadetect.com