



## Dynamment launches New Low Power Version of the World's Best-Performing Infrared Gas Sensor

Dynamment is pleased to announce the release of the new low power Platinum LP2 NDIR sensor. The new LP2 sensors consume only 8 milliamps @ 3 volts dc which represents 1/10<sup>th</sup> of the power required compared with typical catalytic bead and the company's 'Premier' sensors. They are designed to maximize operating runtime of single and multi-gas portable gas detectors and for use in solar, wireless and battery powered applications. The LP2 sensor will detect carbon dioxide and a wide range of hydrocarbon gases such as methane and propane.

The LP2 sensor is a direct drop-in for any of the Platinum and Premier sensor models. Contact Dynamment today to upgrade to the lowest power version and improve battery and solar power runtimes immediately while maintaining the best infrared gas sensor performance on the market.



The LP2 sensor is a complimentary offering to the Dynamment LP sensor. The LP2 sensors offer lower power consumption while the LP sensor offers dual gas detection capability in a single sensor.

MODEL	GASES	RANGES	POWER	TEMP COMP	OUTPUT
<b>Platinum LP2</b>	Single gases for hydrocarbons and CO2	Up to 3 measurement ranges	<b>8mA @</b> 3V dc	Linearized -20 to +50 deg C	Digital and Analog
<b>Platinum LP</b>	Single and Dual gases for hydrocarbons and CO2	Up to 3 measurement ranges	15mA @ 3V dc	Linearized -20 to +50 deg C	Digital and Analog
<b>Platinum</b>	Single and Dual gases for hydrocarbons and CO2	Up to 3 measurement ranges	80mA @ 3V dc	Linearized -20 to +50 deg C	Digital, Analog, or Pellistor Replacement
<b>Premier</b>	Single gases for hydrocarbons and CO2	Single measurement range	80mA @ 3V dc	Linearized -20 to +50 deg C	Digital, Analog, or Pellistor Replacement
<b>Standard</b>	Single gases for hydrocarbons, CO2 and Nitrous Oxide	Single measurement range	80mA @ 3V dc	Inbuilt thermistor	Raw AC signal output

All Models are UL, IECEx, and ATEX (including Mining M1) certified.

The sensors are compatible with the company's existing 'Premier' series and utilize the same technology which has proven itself over the past 14 years with over 700,000 in use worldwide in 40 countries in a wide variety of industries and applications.

The sensors can be supplied in either 'Ex' certified form (including Mining) for direct use in Original Equipment Manufacturer's gas detection equipment or in 'Non-Ex' form for use in either non-hazardous area applications or in hazardous area certified equipment where the gas detector manufacturer provides the 'Ex' protection. Single-Gas versions are available for detection of either Hydrocarbons (e.g. Methane, Propane, etc.) or Carbon Dioxide.

The sensors can be pre-configured for specific measurement ranges according to customer requirements. Methane versions feature auto-ranging in order to provide high resolution for Lower Explosive Level (LEL) measurement.

The standard operating temperature range for the sensors is -20 to +50 degrees C. Every individual sensor undergoes full temperature compensation over this range for Methane, Propane and Carbon Dioxide gases with the characteristics stored within the sensor electronics.

Extended temperature versions of the 'Non-Ex' form only are available to special order covering either -40 to +50 degrees C ('XT' type) or -40 to +75 degrees C ('XTR' type).

To learn more about the entire Dynamant NDIR portfolio of combustible gas, CO<sub>2</sub>, N<sub>2</sub>O or refrigerant sensors, visit us online at [www.dynamant.com](http://www.dynamant.com). For additional information, please email [sales@dynamant.com](mailto:sales@dynamant.com) or call +44 (0) 1623 663636.