

TECHNICAL INFORMATION TECHNIQUE

EXL-5G[®] is a powerful tool used to analyze exhaust gases from gasoline-fueled internal combustion engines.

EXL-5G[®] is engineered to conform to or exceed **ASM/BAR97**, **OIML**, and **BAR90** specifications.

EXL-5G[®] uses Thermal-Lube's patented, easy-to-use UMPIRE Integrated Software Package, combined with a high-capacity data storage system enabling rapid access to important information at all times.

Features:

- Quick-start button
- Rapid response time, less than 8 seconds
- Programmable for either continuous or predetermined time intervals
- A great diagnostic tool to evaluate engine efficiency and performance
- Presents data graphically or in table format
- Quick access to data, can be sorted by driver, date, or VIN
- Automatically stores data in Dbase format
- Versatile and powerful enough to manage large fleets
- Safe to operate over a wide temperature range (-20°C to 50°C)
- Can be stored at temperatures ranging from -20°C to 70°C
- Designed to operate in humidity up to 95% without condensation
- Robust construction with withstand vibration: 1.5 G (5-1000 Hz sinusoidal)

SPECIFICATIONS

Gases	Measurement Range	Resolution
Hydrocarbons (HC)	0 to 30,000 ppm	1 ppm
Carbon Monoxide (CO)	0 to 15%	0.001%
Carbon Dioxide (CO ₂)	0 to 20%	0.01%
Oxygen (O ₂)	0 to 25%	0.01%
Nitrogen Oxides (NO _x)	0 to 5000 ppm	1 ppm
Other Parameters		
Tachometer	0 to 50,000 rpm	±5 rpm
Temperature Sensor	0 to 150°C	±2°C
Air Fuel Ratio (AFR)	0 to 50%	---



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