

PLI Liquid Level Gauge

**CLASS INSTRUMENTATION LTD**

837 Garratt Lane
London
SW17 0PG
United Kingdom

T +44 (0)20 8333 2288
F +44 (0)20 8944 0141
info@classltd.com
www.classltd.com

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MINISTRY OF DEFENCE



PLI Liquid Level Gauge

The PLI Portable Liquid Level gauge is designed to offer a simple, accurate, rapid and reliable method of determining the liquid level of CO₂, Halon, FM200, Propane and any liquefied gas under pressure, **without having to weigh the cylinders**. It will also indicate the level of oil or water in a container.

The PLI generates an ultrasonic sound wave that travels through the steel of the cylinder and into the liquefied gas. The pulse responds differently to the presence or absence of liquid indicating the level of the liquid.



The complete PLI kit includes:

- PLI Gauge
 - Weight: 300g
 - Dimensions: 200 x 100 x 40mm(max)
 - Power Supply: 2 x 9vPP3 batteries
 - 20 hours of operation
- Sensor with 1.5m Cable
- Protective Leather case with neck strap
- Couplant
- Three-section telescopic extension arm for reaching to the back of banks of cylinders
- 450 x 370 x 100mm Carry Case



PLI Features

- Ultrasonic sensor and magnetic clamp for hands free use.
- Cylinders do not need to be moved or weighed.
- Risk of gas leaks during service eliminated.
- No reduction in health and safety, cylinders remain active and in situ during service
- Reliable results with accuracy of ±10mm.
- Can be used on cylinders, pipe-work and any single skinned holding vessel with up to 25mm thick walls.
- Suitable for high or low pressure CO₂, Halon or FM200.
- Easy to use with no training needed and full operating instructions given.
- Power boost facility for cylinders in poor condition.



PLI Operation

- The GAIN control allows adjustment of the ultrasound response to accommodate different cylinder sizes, gas type and cylinder condition.
- The main function selector switch controls ON and OFF, BATTERY CHECK and BOOST (for difficult or rusty cylinders).
- And the CYLINDER WALL THICKNESS selector for thick (>4mm) or thin (<4mm) walled cylinders.

