



Thinking ahead since 1936

NON-INTRUSIVE MEASURING





ULTRASONIC LIQUID LEVEL INDICATORS

The Portalevel® MAX made by COLTRACO in the UK utilizes ultrasonic technology to measure the level of liquefied gases in firefighting cylinders. It produces accurate measurements for extinguishing agents such as CO₂, FM-200™, NOVEC™ 1230, Halon 1301 & Halon 1211, FE-13™, FE-25™, FE-36™, HFC 225 & HFC 2271. Unlike the tedious and time-consuming method of weighing cylinders, ultrasonic measurement is easy, fast, reliable, and does not require more than one operator. The Portalevel® MAX is delivered in a convenient carrying case along with a sensor, ultrasonic gel, calibration certificate and infrared thermometer which is used to measure cylinder temperature. Optionally, a sensor extension rod can be included in the package to measure cylinders installed in up to three rows. The device can be operated for a continuous period of 10 hours and is waterproof to IP 65. The Portalevel® MAX has a 3-year manufacturer's warranty and is certified to UL, ISO, RINA, ABS, CE, NATO (Stock Number: 6680-99-275- 529).

As the COLTRACO Organization with Delegated Authority (ODA) in Greece, we are authorized to perform calibrations and repairs by strictly adhering to manufacturer instructions, thus providing immediate local support that caters to your tight schedule.



WEIGHT CALCULATING DEVICES

When the operator has finished measuring the cylinder's liquid level, they can calculate the weight of the extinguishing agent inside the cylinder by considering the cylinder thickness & diameter and the extinguishing agent's specific gravity & temperature, a process which requires time-consuming mathematical operations for each cylinder. The Portasee® Calculator tablet by COLTRACO calculates the weight of the extinguishing agent (e.g. 45 kg of CO₂) easily and quickly, by simply entering the measurements taken by the Portalevel® MAX. It can store data for multiple cylinders, eliminating the need of repeating the same calculations for similar cylinders. It also records the measurements into a CSV file, which can be easily downloaded to a computer and processed with software such as Microsoft Excel.



ULTRASONIC FLOWMETERS

The Portasonic™ ultrasonic unit by COLTRACO allows us to measure the fluid flow rate inside a piping network using a non-invasive method, thus avoiding the dismantling of components, pressure drops, leaks and risk of contamination or corrosion. Simply place the sensors in a straight piping section, enter data such as diameter, temperature etc. and the Portasonic™ will show the actual flow rate of the liquid inside the piping, at 1-2% accuracy. Suitable for metal and plastic tubing of ½" to 18" diameter, the Portasonic™ boasts 12 hours of uninterrupted operation. It is supplied in a convenient carrying case along with sensors, ultrasonic gel, calibration certificate and one-year warranty.

As the COLTRACO Organization with Delegated Authority (ODA) in Greece, we are authorized to perform calibrations and repairs by strictly adhering to manufacturer instructions, thus providing immediate local support whenever you may need it.



ULTRASONIC THICKNESS INDICATORS

In order to complete the flow rate measurement using the Portasonic™ unit, the operator must know the thickness of the piping through which the liquid passes. The ideal tool for measuring thickness is the Portagauge™ ultrasonic device by COLTRACO. Simply touch the sensor on the tube and the device calculates its thickness to within ±0.1mm. Handy, robust and reliable, the Portagauge™ is IP 65 waterproof and has an uninterrupted 50-hour power supply. It is delivered in a PeliCase carrying case along with the sensor, ultrasonic oil and calibration certificate. It is CE marked, has a three-year warranty and is registered under ISO 19011.





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Pronoia / 'prɔ.ni.a/ noun < pro + nous < foresight, anticipation, provision, prudence.

With more than 80 years' tradition in the quality fire protection sector, PRONOIA maintains the mentality of a youthful company at the cutting edge of technological evolution, whilst taking an agile approach to dealing with the challenges of the world market. PRONOIA is active in the following sectors: Maritime, Industrial, Oil & Gas, Food & Beverage, Mining, Transportation, Construction, Fire Brigade, Civil Protection and Armed Forces. With accumulated knowledge, experience and a friendly approach, we advise, research and implement fire protection projects in all sizes of business, from a small restaurant to the Public Power Corporation, Aluminium of Greece, Hellenic Petroleum and Motor Oil. At PRONOIA, we achieve this wide range of operational activity because we represent the top manufacturers in the world in firefighting and personal protection equipment.

PRONOIA. We think ahead, so that you are safe.

pronoia.gr

48 Lysia street, Peristeri
12132, Athens, Greece
+30 210 57 20 762
info@pronoia.gr

- **Warranty 1-5 years**
- **International certifications & approvals**
- **Full product range in stock and ready to ship**
- **Same-day delivery to Piraeus harbor**