Saelig unique electronics

Authorized Partner of

COLTRACO Ultrasonics

MADE IN UK | SUPPORT WORLDWIDE

GUIDE QUESTIONS FOR CUSTOMER APPLICATIONS

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LIQUID LEVEL INDICATORS

For non-invasive contents monitoring of fluids, e.g. transformer oils or liquefied gases

For the Portalevel® range please refer to these guide questions:

1. How many cylinders are you measuring in a week/month?
2. What agents are you testing?
3. Is the average diameter for the cylinders you are testing over 400mm/15”?
4. Are the cylinders in good condition or are they rusty?
5. What brand of cylinders are you working on?
6. How are you checking the cylinders now?
7. Are the cylinders in banked rows 3-4 deep?
8. Have you used a Portalevel® before?
9. Do you require UL approval?
10. Do you require 24-hour battery life?
11. Do you require advanced liquid level signal analysis?
12. Will this product be used in hazardous/explosive environments?

Fire Cylinder Liquid Level Indicators

PORTALEVEL® MAX PLUS

FLAGSHIP for FIRE CYLINDERS

- Choose for LIQUID/GAS readings
- Choose for UL approval
- Choose for cylinders up to 400mm diameter
- Choose for inspection of CO2, Halon, FM-200, NOVEC 1230 etc

PORTALEVEL® ADVANCED

LIQUID LEVEL for LARGER CYLINDERS

- Choose for cylinders up to 700mm in diameter
- Choose for LIQUID/GAS readings
- Choose for waveform representation of liquid level

PORTALEVEL® IS

RATED for HARZADOUS ENVIRONMENTS

- Choose for EX-Rating
- Choose for testing in ATEX Zone 1 classified areas
- Choose for testing in IECx classified areas
- Choose for cylinders up to 400mm in diameter

PORTALEVEL® LITE

BUDGET for FIRE CYLINDERS

- Choose for lower cost
- Choose for cylinders up to 400mm in diameter

Marine Fire Cylinder Liquid Level Indicators

PORTALEVEL® MAX MARINE PLUS

FLAGSHIP MARINE

- Choose for included 12mm slimline extension rod sensor
- Choose for LIQUID/GAS readings
- Choose for UL, RINA and ABS Type Approval.
- Choose for cylinders up to 400mm in diameter

PORTAMARINE®

Choose me for BUDGET, MARINE

- Choose for included 20mm standard extension rod sensor
- Choose for lower cost
- Choose for cylinders up to 320mm in diameter
- Choose for RINA Approved, IMO SOLAS FSS compliant

LIQUID LEVEL INDICATORS

For non-invasive contents monitoring of fluids, e.g. transformer oils or liquefied gases

For the Portank® please refer to these guide questions:

1. How wide are the tanks you are measuring?
2. What is the wall thickness and wall material of the tank?
3. What type of liquids are you testing?
4. Is there anything inside the tank other than the liquid?
5. How are you checking the tanks' liquid level at the moment?

PORTATANK®

LIQUID LEVEL for LARGE TANKS

- Choose for tanks 500 - 15000 cm in diameter
- Choose for metal, plastic and glass vessels.
- Choose for included oscilloscope for calibrating the sensor with maximum accuracy

For the Portapipe® please refer to these guide questions:

1. Are you testing horizontal or vertical pipes?
2. What is the diameter of the pipework?
3. Do you need to know what percentage full horizontal pipes are?
4. Do you need to measure the liquid level of a large range of pipe diameters?

PORTAPIPE®

LIQUID LEVEL for PIPES

- Choose for both vertical and horizontal pipes
- Choose for pipes 25-330 mm in diameter

For the Portasteele® Calculator please refer to these guide questions:

1. Do you have a Portalevel® unit already?
2. What is the serial number of the Portalevel® unit?
3. Do you require weight conversion of the agent tested?
4. Do you require traceable reports for internal records?

PORTASTEELE® CALCULATOR

PROVIDES TRACEABILITY

- Choose for weight conversion measurements
- Export inspection results for enhanced customer service reports and internal records.
- Choose as a companion tool to the Portalevel range

TIGHTNESS TESTING

Identification and qualification of airtightness & watertightness

For the Portascanner® Watertight range please refer to these guide questions:

1. Are you testing for a marine application? If no, please refer to Portascanner® AIRTIGHT
2. Is this required for a defence applications?
3. Are you testing hatch covers, watertight doors or multiple cable transits?
4. Do you require water leak quantification?
5. How are you currently carrying our watertight/integrity test inspections?
6. Have you ever used this type of equipment before?

PORTASCANNER® WATERTIGHT PRO

MARINE LEAK QUALIFICATION!

- Choose for watertightness and weathertightness inspection
- Works on hatch covers, doors and cable transit seals
- Choose for leak flow rate measurements
- Easy exporting through USB
- Included generator

PORTASCANNER® WATERTIGHT PLUS

FLAGSHIP for MARINE!

- Choose for watertightness and weathertightness inspection
- Works on hatch covers, doors and cable transit seals
- Popular for Marine applications
- Choose for ABS approval
- Included generator

For the Portascanner® Airtight range please refer to these guide questions:

1. Do you need to only locate leak sites, or would it be useful to be able to quantify the leak rate as well?
2. Would it be useful to be able to provide a detailed PDF report of leak sites and rates when testing buildings or compartments?
3. Do you need to achieve a specific Air Change per Hour (ACH) standard or permeability value when the building envelope is completed?

PORTASCANNER® AIRTIGHT

FLAGSHIP for BUILDING INTEGRITY

- Choose for airtightness
- Popular in construction, maintenance and medical applications
- Choose for leak flow rate measurements
- Easy exporting through USB
- Included generator

PORTASCANNER®

BUDGET for MARINE

- Choose for watertightness and weathertightness inspection
- Works on hatch covers, doors and cable transit seals
- Choose for low cost
- Included generator

ULTRASONIC FLOW METER

Non-invasive flow measurement of flow, volume, mass and energy rates

For the Portasonic® range please refer to these guide questions:

1. What range of pipe sizes will you be working on?
2. What liquid types will you be working on?
3. What pipe materials and lining (if any) will you be working on?
4. What range of pipe temperatures will you be working on?
5. Do you want to measure pressure together with the flow rate?
6. Are you looking for a portable device or a fixed system?

If answer to 6. is a fixed system please refer to these additional guide questions about the Permaflow®:

1. Are you interested to monitor the temperature of the flowing liquid?
2. If yes - Would you like one or two thermometers per device?
3. What communication and input / output modules would you like included in your device?

PORTASONIC® PLUS

FLAGSHIP for PIPE FLOW measurement

- Choose for transit-time flow measurement
- Choose for a customisable, pre-programmed database
- Works on various pipe materials, pipe liners and liquid types

PORTASONIC® PRO

PRECISION FLOW and PRESSURE measurement

- Works on various pipe materials, pipe liners and liquid types
- Choose for combined flow and pressure measurement
- Utilises technology from both the Portasonic PLUS and Portasonic CALCULATOR

PERMAFLOW®

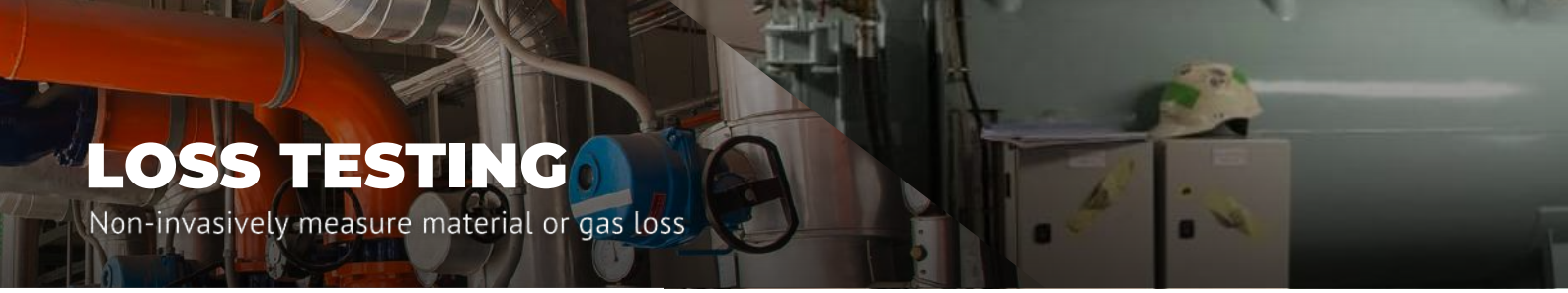
FIXED MONITORING SYSTEM

- Choose for fixed flow rate monitoring
- Choose for 24/7 monitoring
- Choose for high accuracy (+/- 0.5%) under ideal conditions

PORTASONIC® CALCULATOR

INTERNAL PIPE PRESSURE MEASUREMENT

- Choose as a companion tool to the Portasonic PLUS
- Choose for internal pipe pressure calculations



LOSS TESTING

Non-invasively measure material or gas loss

For the Portagauge® 6 please refer to these guide questions:

1. How thick is the surface coating/paint?
2. Do you need datalogging?
3. Do you need a minimum thickness alarm?
4. What materials will you be testing?
5. Do you need to measure material loss of a vessel wall due to corrosion?

PORTAGAUGE® 6

THICKNESS MEASUREMENT

- Choose for multi echo thickness measurement
- Choose for externally coated vessels (up to 20mm thick)
- Choose for a built-in data logger with a 200,000-measurement storage.
- Choose for a minimum thickness alarm function

For the Portagas® please refer to these guide questions:

1. Are you testing inert gas systems (for example Inergen) where even under high pressure, the agent stays in a gaseous state in the cylinders?
2. What Is the agent you are testing on?
3. What is the volume of your cylinder?
4. What is the height and diameter of your cylinder?

PORTAGAS®

LIQUID LEVEL for PIPES

- Choose for pressure monitoring of inert gas systems
- Popular with Inergen systems along with pure Argon, Nitrogen and CO2
- Choose for below 5% precision in ideal conditions
- Choose for a built in IR thermometer for clarifying reasons of a pressure change

For the Permamass® Featherweight please refer to these guide questions:

1. What is the cylinder neck size and thread?
2. What is the Clearance above the cylinder? this will determine the position of the locking plates and height of the frame.
3. What is the weight of the cylinder?

PERMAMASS® FEATHERWEIGHT

FIXED MONITORING of MASS and PRESSURE

- Choose for 24/7 gas loss monitoring
- Popular with Inergen systems along with Clean Agent systems
- Choose for 1% precision in ideal conditions
- Choose for mass loss measurement
- Choose for real-time alerting