



ABOUT UMW

The UMW Group today has diverse and global interests in the Automotive, Equipment, Manufacturing & Engineering and Oil & Gas sectors. We stand tall as one of Malaysia's foremost public-listed companies, while continuously building on the strengths of our core businesses to tap opportunities in the international arena. The UMW Group's reach now extends to Singapore, Indonesia, Thailand, Myanmar, Vietnam, Papua New Guinea, Australia, Taiwan, China, India, Oman and Turkmenistan.

Our 13,000 employees worldwide are united under a common goal of going Beyond Boundaries®. Together, we push past the boundaries of our minds to play a leading role in shaping the futures of our industries. We inspire vibrant ideas, nurture potential, pioneer partnerships and deliver excellence in everything we do; the rewards of which contribute to the progress and well-being of all our stakeholders.

UMW INDUSTRIAL POWER

We specialise in industrial power solutions, partnering with acclaimed multinational manufacturers and specialists in air and gas compressors, generating sets, portable power products and oil spill equipment. We partner with some of the world's leading multinational names such as CompAir, Cameron, PDC, Mitsubishi, Honda and Desmi.

- Air and Gas Compressors
- Marine Engines
- Industrial Diesel Generating sets
- Power Products
- Oil Spill Equipment
- Branch Network

STRATEGIC PARTNERSHIP WITH COLTRACO ULTRASONICS

ABOUT COLTRACO

Coltraco Ultrasonics is a world-leading British designer and manufacturer of ultrasonic safety and monitoring systems and products. With almost 30 years' experience, operating across 19 markets, supplying 108 countries, our core capabilities are: 1. The monitoring of clean agent extinguishing systems 2. The monitoring of watertight integrity hatch-covers, & watertight compartment doors and multiple cable transit areas. We are committed to our Safesite® & Safeship® mission: "safety for safety's sake" aiming to supply equipment to help our customers reduce risk to life, business and facilities. Our foundation is integrity and science is at our core.

Discover more: www.coltraco.com/news.



COLTRACO
Ultrasonics | since 1987



ULTRASONIC TECHNOLOGY IN FIRE PROTECTION & SUPPRESSION SYSTEM MONITORING

- Designed for CO2, FM-200®, NOVEC™ 1230, Halons, FE-13 and FE-25 and other similar clean agents.

CURRENT FRAMEWORK

- Fire Contractor install the system into each installation.
- System integrity then relies on Annual or Bi-Annual regulatory inspection.
- No interim checks apart from basic visual inspections.
- Accidental Discharge or Slow Seepage can go undetected for up to a year.

CAPABILITIES OF PERMALEVEL

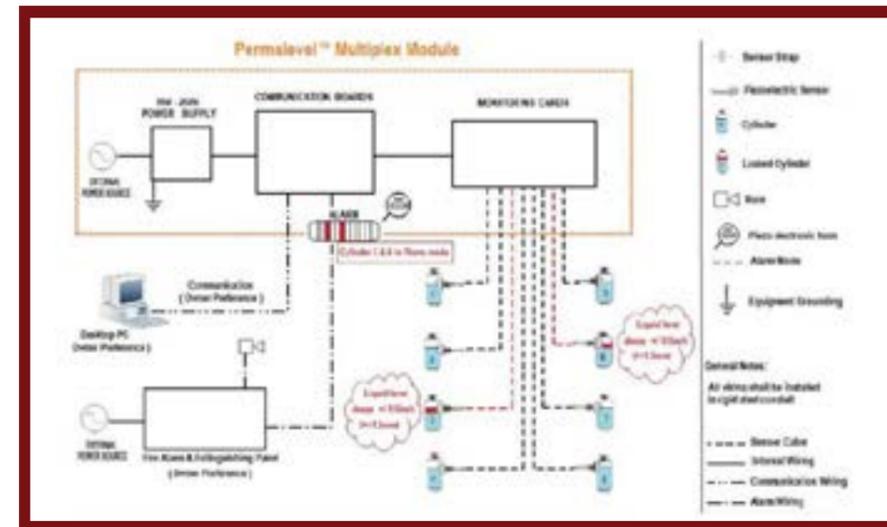
- **Remote real-time monitoring** of liquid level up to 700 cylinders (16 points per module) - with RS232/485 connection to GPRS module or PC.
- **Master Alarm output** to generate alarm signal when liquid level falls below desired level.
- **Datalogging ability** which keeps logs of the system activity, errors and alarm trigger on a monthly basis.
- **ADVANTAGES:**
 - **Guaranteed systems operations and minimizes downtime** by ensuring fire suppression contents are always full to sufficiently combat fire outbreaks.
 - **Non-invasive** and ability to **retrofit** to existing systems.

CONTINUOUS MONITORING



DATA MONITORING IN ACTION

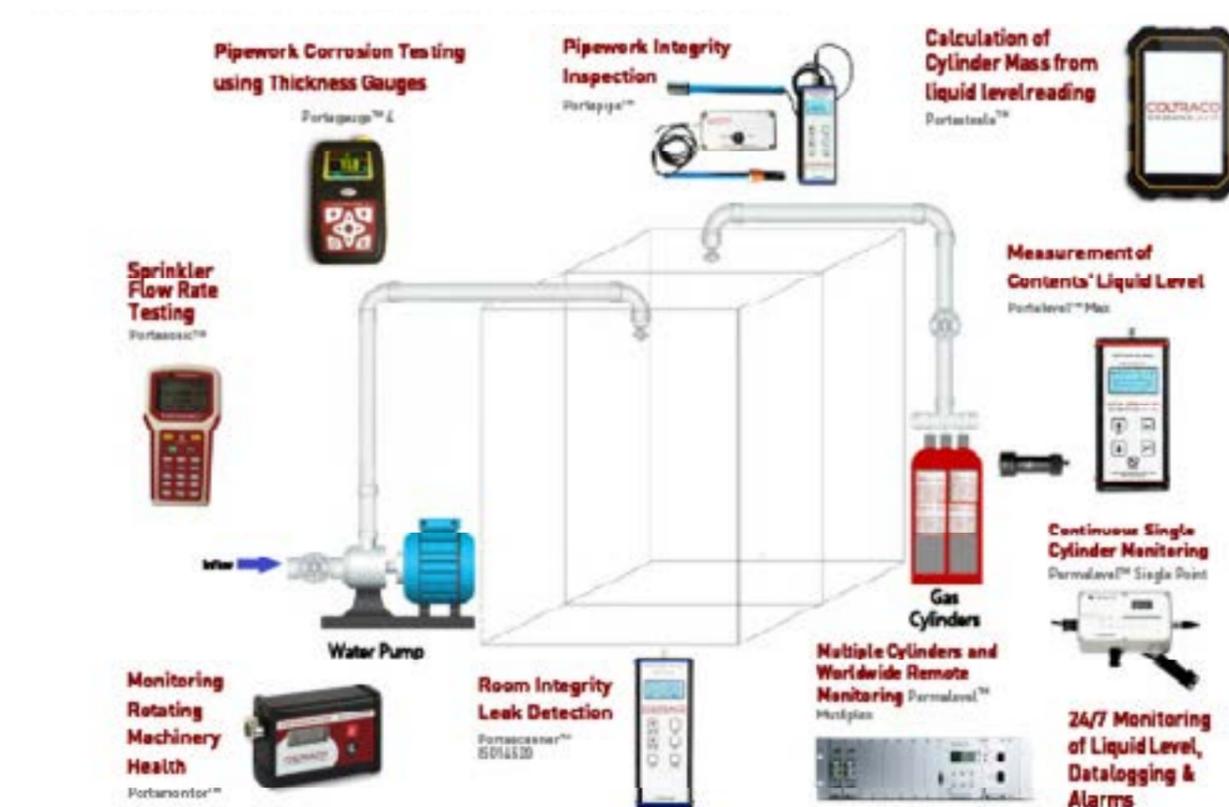
Please see network outline to explain how the Permalevel® Multiplex will take the data from continuous monitoring at the fire suppression system base through to data monitoring and alerts in the event of a leak or discharge.



PERMALEVEL® MULTIPLEX III Infographic

COMBINED APPLICATIONS

Clean Agent & Water Sprinkler Fire Suppression Systems



FEATURED PRODUCTS



Portagaugé™ 4

Is a triple echo multigaugé that is designed for measuring the true metal thickness excluding coating and paint thickness. It is highly accurate to +/- 0.1mm. It is ideal for most common thickness gauging applications and can be used for corrosion testing in pipes for fire sprinkler systems.



Portasonic™

Portasonic consists of a handheld portable clamp-on transit time flow meter device for accurate flow measurement from outside a pipe – especially for fire protection water sprinkler and fire hydrant systems. Ideal for the measurement of flows in clean, non-aerated fluids such as water, water/glycol and oils in full pipes, with a ultrasonic signal that penetrates all common metal and plastic pipe materials.



Permalevel™ Single Point

Having different alarm capabilities to the Multiplex system, the single point benefits from its simplicity to use and quick installation. It provides truly continuous 24/7 monitoring, data logging and alarms. It is ideal for constantly monitoring small volume-installations.



Portascanner™ IS014520

Before installing Clean Agent fire suppression systems the integrity of the building structure commonly undergoes "Door Fan Testing". This test determines the Peak Pressure and Hold Time necessary for ensuring the effectiveness of these fire suppression systems. Recommended by NFPA 2001 and ISO 14520 standards to calculate the overall leakage of a room the Portascanner™ Airtight Integrity Test Indicator alongside the Door Fan Testing. It is ideal for precise leak detection, to an exceptional accuracy to 0.06mm.



Portamonitor™

The Portamonitor® aids in the identification of mechanical faults in bearings within motors, pumps, fans, gearboxes and other rotating machinery applications. It does this by detecting high frequency stress waves associated with friction and other faults with machinery in poor condition. It is a fast, easy, accurate and non invasive method to check the health of bearings.



Portapipe™

The Portapipe can be used to check for faults in lengths of pipeline up 50m long. It allows fast and full evaluation of multiple different areas using ultrasonic inspection. Providing reliable pipeline analysis, thereby giving a better picture of problems areas in the system. It is ideal for fault testing large lengths of pipes commonly found in fire suppression system such sprinkler systems.



Portalevel™ Max

The Portalevel® MAX is the latest generation of the Portalevel® line and is designed to provide enhanced Speed, Operation and Performance, especially for high intensity testing requirements. The unit is also the first UL Approved Ultrasonic Level Indicator. Suitable for a wide range of agents and with a high accuracy of +/-1.5mm.



Permalevel™ Multiplex

The Permalevel™ Multiplex ensures fire suppression systems are always fully operational, 24 hour a day, 365 days a year. The system is used to remotely monitor multiple cylinder system and provide alarms and notifications through email and text. The system provides constant data logging allowing for total records and visible of the system status, guaranteeing systems are always fully operational.



PortaSteele™

The Portasteele™ Calculator calculates the agent fill weight of a fire suppression cylinder. This is achieved by the operator entering in the liquid level height found by the Portalevel™ unit along with some cylinder dimensions and ambient temperature reading to produce a Lbs or KG reading for all major fire suppressant gases. Inversely it can also be used to convert a known agent weight into a predicted liquid level for any cylinder size and agent type. The system is fast and accurate and can minimise human error in calculating the cylinder's contents mass.



TARGET AUDIENCE

Operating in Offshore Oil & Gas, Power Stations, Data Centers, Government & Telecommunication Facilities, High Rise Buildings, Electricity & Gas Distribution.

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