



ProGauge Magnetostrictive Probes

Make The Smart Move

Get Smart. Go Magnetostrictive

The success of our probes is no secret. Using magnetostrictive technology, our probes provide continuous and highly accurate readings of liquids inside of the tank.

By transmitting a high frequency electrical impulse that travels at the speed of sound, the advanced technology within the probes is able to measure the time elapsed between the initial sending of the signal and its return to the float, giving an unbeatably accurate fuel reading which is then relayed to the console on site or directly to the Point of Sale (POS).

Available as both wired and wireless units, you can be sure that whatever your site configuration, you are receiving the best service

Certifications



Retail Systems & Pricing



Fleet Solutions



Dispensers & Payment



Connectivity



Site Efficiency



Consumer Experience

Wired or Wireless?

We believe in choice. That's why we offer both wired and wireless probes.

Our wired probes are ideal for sites which already have the required cabling to enable easy installation and function. Benefitting from fast and reliable data transmission, our wired probes are suitable for both above and below ground tanks and are the product of choice for many retailers across the globe.

Our wireless liquid level probes are perfect for sites wishing to avoid expensive digging, wiring and cabling costs. They are able to transmit data up to 80 metres from underground tanks - a distance which can be extended to 800m with the aid of an additional above ground RF receiver - and are well-equipped and rigorously tested to manage environments where wireless coverage is typically limited. The wireless liquid level probes benefit from all of the same features as the wired probe.

The XMT-Exd explosion-proof probe is ideal for monitoring liquids across many commercial sectors, no matter how challenging the environment. This hardest of probes can monitor almost all known liquids including those which are considered volatile, resins, chemicals and food and drink products.

Wireless Features

- ▶ Low power consumption
- ▶ Long battery life (up to five years)
- ▶ Up to 800 metres wireless data transmission when used with additional RF receiver
- ▶ RF repeater for increased wireless coverage



Standard Features

- ▶ Magnetostrictive technology
- ▶ Supports diagnostic and maintenance functions
- ▶ Single float monitors both petroleum and diesel
- ▶ Remote configuration of operation parameters
- ▶ Riser or adjustable connection to the tank
- ▶ 500 - 5,500mm measuring range

Calculation of data relating to:

- ▶ Product level, given in measurements of 0.01mm
- ▶ Water presence, given in measurements of 0.01mm
- ▶ Product temperature

Measuring and resolution accuracy:

- ▶ Standard measuring accuracy: $\pm 0.5\text{mm}$ (minimum)
- ▶ Standard resolution: $\pm 0.01\text{mm}$
- ▶ Operating temperature: XMT-SI $-40 +70^{\circ}\text{C}$: $\pm 0.2^{\circ}\text{C}$, XMT-Exd $-20 +70^{\circ}\text{C}$: $\pm 0.2^{\circ}\text{C}$
- ▶ Temperature resolution: $\pm 0.0625^{\circ}\text{C}$

Technical Specifications

Intrinsically safe

Stainless steel enclosure $\varnothing 50\text{ mm}$ IP68 (submersible up to 1.2 m per 24 hours)

In 2 inch riser installation

Power supply: 12 VDC

No. 4 digital inputs

RS485 serial port/antenna

I.S. circuits to wire to an intrinsically safe barrier active (BRA-SI) or passive (BRA-SIP) (only for RS485 series)

7/8 inch circular connector with standard cable length 2 m ($\varnothing 9\text{ mm}$, hydrocarbon resistant in accordance with ENI specification)