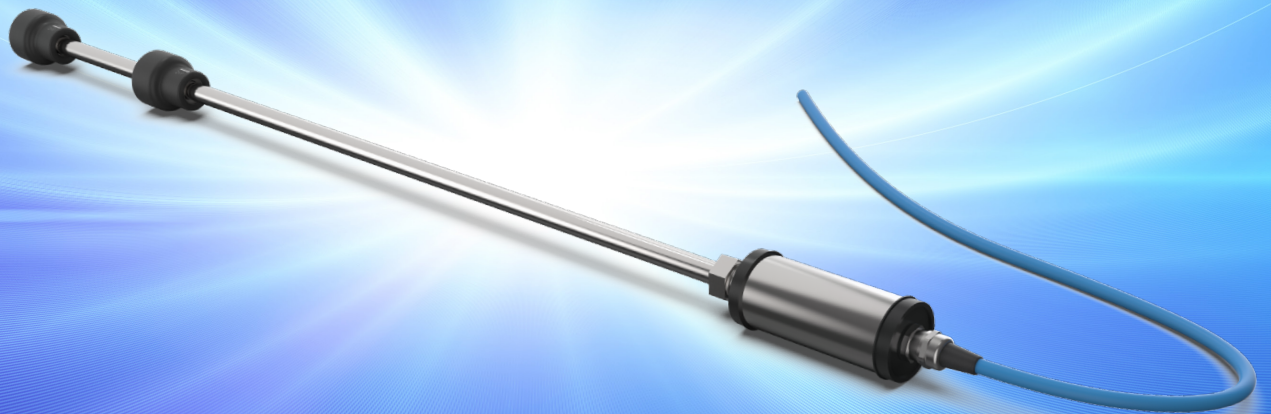


DFS DMP MAGNETOSTRICTIVE PROBES

A force to be
reckoned with

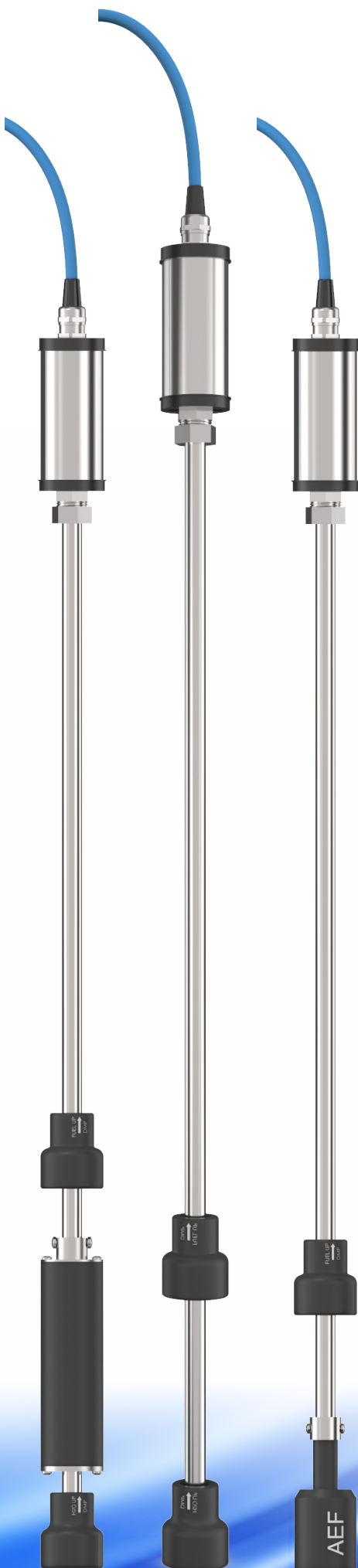


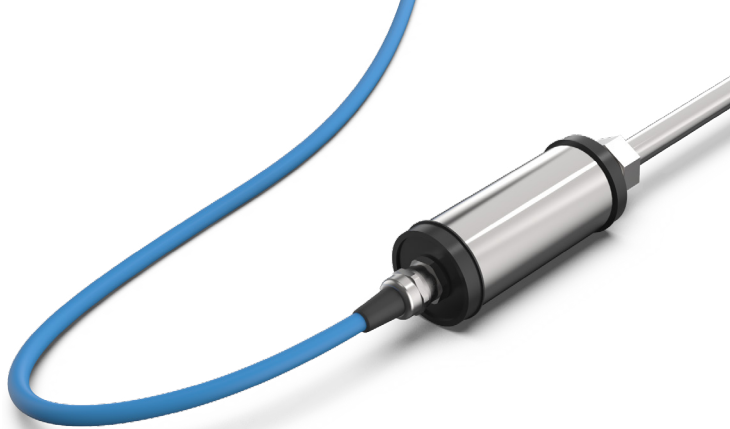
The power is yours

Thought things couldn't get any better? Think again. We've taken the best that Dover Fueling Solutions has to offer - and then some - giving birth to a revolutionary probe that knows no limits. The DFS DMP Magnetostrictive probe is a global solution, with the ability to monitor all fuel types and additives, including bio fuels and AdBlue®, whilst also supporting density, phase separation, leak detection and inventory management. You won't find another like it.

Magnetostrictive technology: precision like you've never experienced

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.





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.

Density floats

The DFS DMP Probe is available to purchase with a density float, which is able to accurately measure the purity of fuel within tanks, detecting even the smallest of changes in product quality.

This is particularly useful to sites requiring confirmation fuel composition, whether to detect the accuracy of blends or to confirm the product purchased is what was delivered into the tank. Speak to our team to order the wired probe with density float.



AEF floats

The Aqueous Ethanol Float (AEF) sensor from Dover Fueling Solutions (DFS) provides early detection of unstable water levels inside of ethanol-blended fuel tanks, by indicating potential phase separation.

By measuring the changes in density, the AEF sensor provides an early warning of the presence of water, notifying the retailer to stop selling fuel whilst investigations are carried out. Programmable thresholds and alarm settings also allow corrective actions to be deployed before phase separation occurs, and subsequent costly fuel loss.



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: +/- 0.2mm (minimum)
- standard resolution: +/- 0.01mm
- temperature accuracy range -20 +70°C: +/- 0.2°C
- temperature resolution: $\pm 0.005^\circ\text{C}$
- density accuracy +/- 3kg

Specifications

Intrinsically safe

Stainless steel enclosure Ø 50 mm IP68 (submersible up to 1.2 m per 24 hours)

In 2 inch riser installation

7/8 inch circular connector with standard cable length 2 m (Ø 9 mm, hydrocarbon resistant in accordance with ENI specification)

Power supply: 12 VDC

No. 4 digital inputs

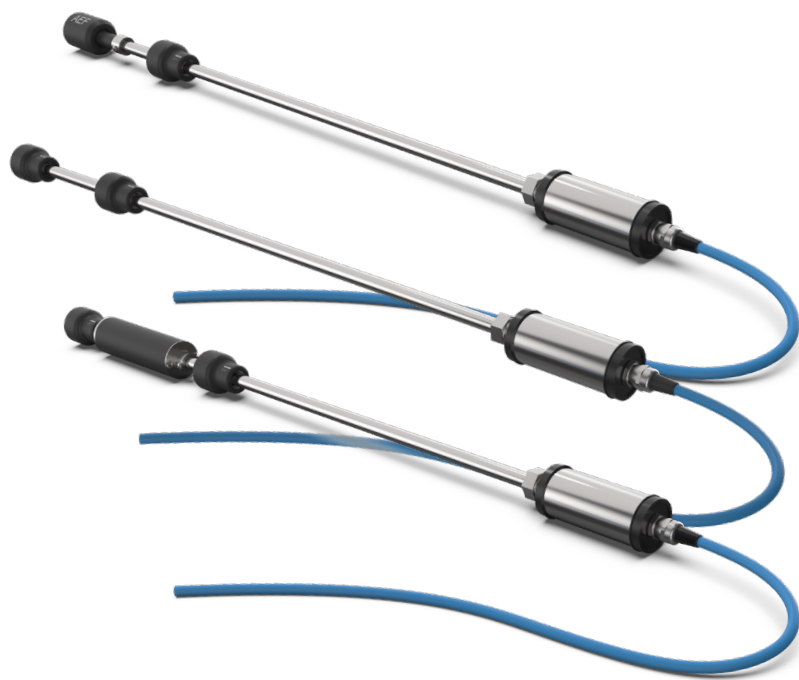
RS485 serial port/antenna

RS 485 Output

OPW FMS Compatible (1 Wire Interface)

Certifications





DFS DMP Magnetostrictive Probes

Next level precision