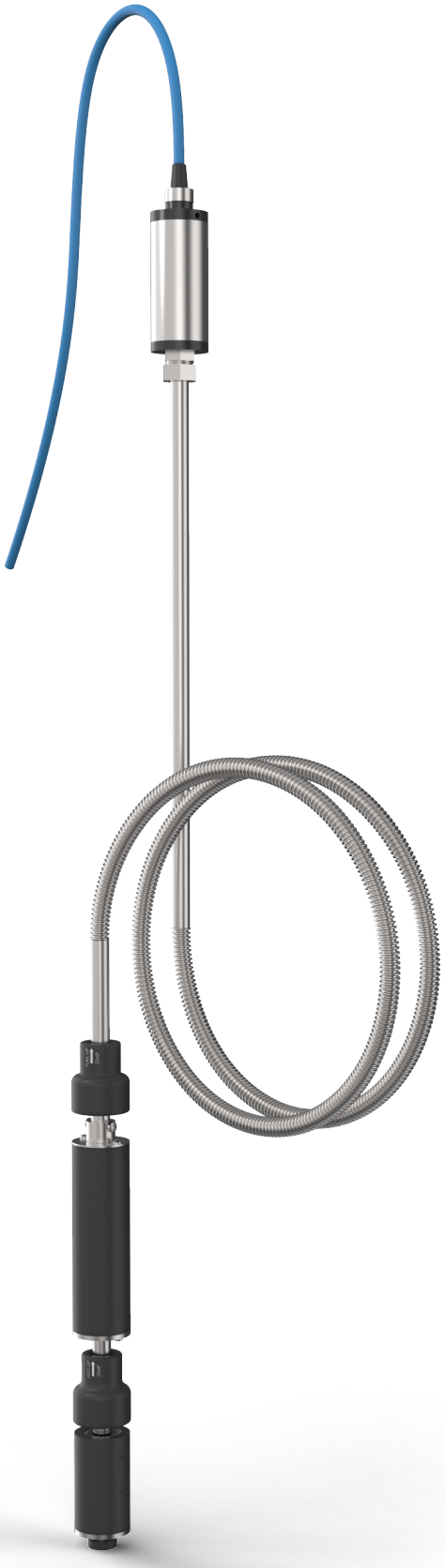
DOVER
FUELING SOLUTIONS



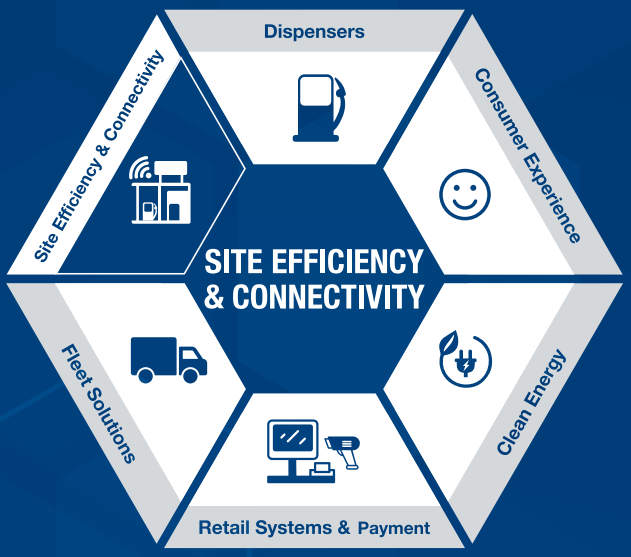
As Flexible as You Need us to be

DFS DMP™ Flex
Magnetostrictive Probe(s)

Visit Website

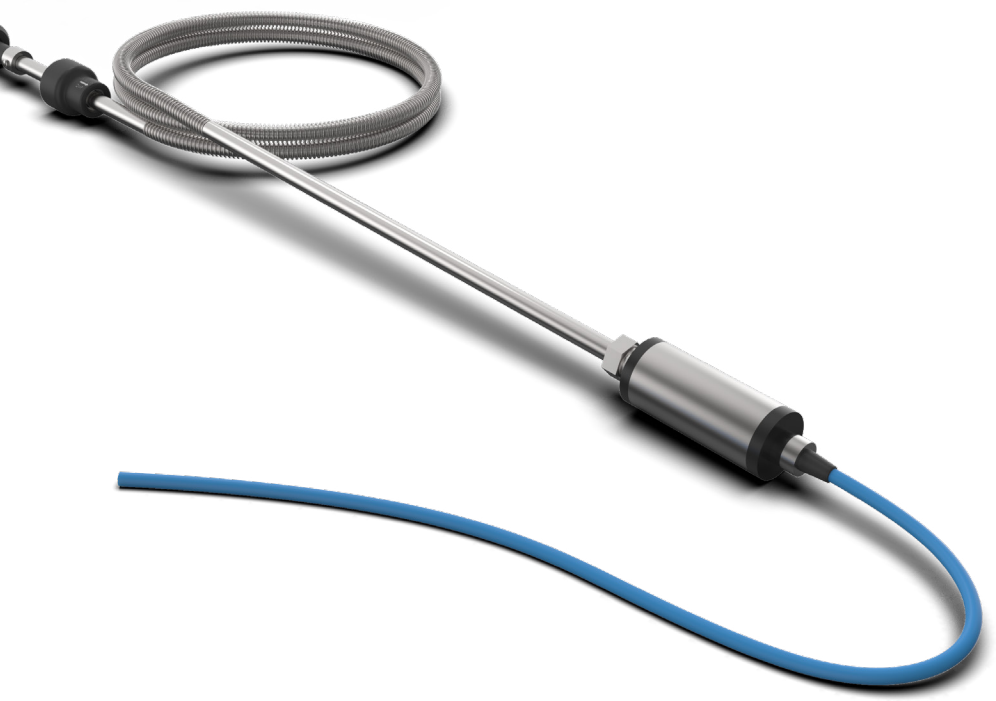
DFS *Worldwide* Brands

Wayne™ FUELING SYSTEMS · OPW™ FUEL MANAGEMENT SYSTEMS · ClearView™ · AvaLAN™ NETWORKS · Bulloch™ TECHNOLOGIES · TOKHEIM™ · ProGauge™ · fairbanks™ · LIQAL™ YOUR NEXT STATION



Practical, Cost-Effective and Adaptable

Need a flexible, global solution for monitoring your aboveground storage tanks? Then look no further than the DFS DMP Flex Magnetostrictive Probe(s), a practical, cost-effective and adaptable product that relays incredibly precise readings of the fuel and other liquids inside your tank. This probe is perfectly engineered to fit more challenging environments, such as tight or difficult-to-access spaces or tall outdoor tanks. Pair the DFS DMP Flex Probe with one of our industry-leading tank gauge consoles for unbeatable wetstock monitoring.



Magnetostrictive Technology

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.

Density Float

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 POS.

AEF Sensor

The Aqueous Ethanol Float (AEF) sensor from 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.

DOVER® FUELING SOLUTIONS

Standard Features

- Magnetostrictive technology
- Supports diagnostic and maintenance functions
- Single float monitors both petroleum and diesel
- Remote configuration of operation parameters
- Adjustable connection to the tank
- Probe length 5m - 12m
- 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: +/- 0.01% full scale*
  - *standard resolution: +/- 0.01mm*
  - *operating temperature -40 + 60°C: +/- 0.2°C*
  - *temperature resolution: + 0.0625°C*

Technical Specifications
Intrinsically safe
Stainless steel enclosure Ø 50 mm IP68 (submersible up to 1.2 m per 24 hours)
In 2 inch riser installation (with sliding connection 3/4” only)
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 Output
OPW FMS Compatible (1 Wire Interface)

Certifications

DOVER®
FUELING SOLUTIONS