
Developed for dp-measurement in diesel refuelling applications

System for automatic calculation of corrected differential pressure measurement in diesel refuelling applications. The DPGUARD® provides an easy to use interface that is constantly monitoring the condition of the filter elements.

There are two versions of the DPGUARD® available, entitled gold or silver version depending on the requirement. The DPGUARD® gold has a configurable colour touch screen which can display the flow rate, the actual DP and the corrected DP. The DPGUARD® silver is often preferred in situation where a third-party system will display the information generated by DPGUARD®.



Application Areas

- Mining
- Refineries, Terminals & Tank Farms
- Power Generation & Gas Turbines
- Ships, Super Yachts & Marine Loading
- All Bulk Diesel transfer applications

Technical Data

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|--------------------------------|------------------------------------|
| • Power supply: | 24 V DC \pm 10% |
| • Degree of protection: | IP65 |
| • Signal transfer: | Ethernet, LAN, WIFI |
| • Connections: | 8 digital input: 24 V DC \pm 10% |
| | 4 digital output: 24 V DC |
| | 4 analog input: 0...20 mA |
| | 3 relay output |
| • Communication protocol: | Modbus TCP |
| • Operating temperature range: | -30°C (-22°F) to + 60 °C (140°F) |

Features

The DPGUARD® monitors the condition of filter elements and provides an alarm indication when filter elements reach an abnormal dP. It performs a continuous dP check, logs the data and compares the data with previous calculated numbers. THE DPGUARD® offers close range connectivity via Ethernet and optional WiFi connection for longer range connectivity. The logic controller conveniently provides previous data from fueling operations.