WATER IN FUEL SENSOR

Parker | Velcon

Date: January 2018

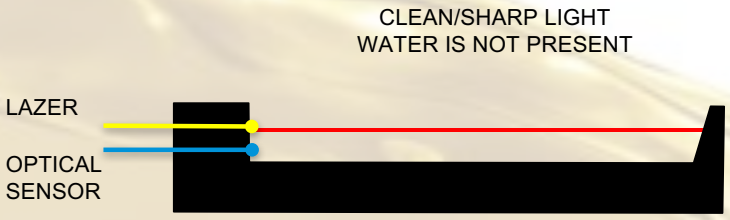
Sensing the Future

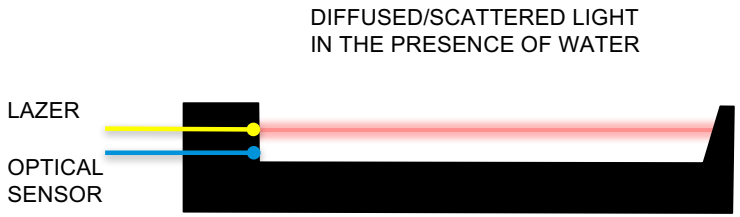
ENGINEERING YOUR SUCCESS.

Voice of the Customer/Design Criteria

- Meets EI 1598 Criteria
- Resolution of free water: 10-50ppm
- Utilizing common sample port connections
- Powered by 9-30 DCV input
- Output 4-20 mA Analog
- Straight forward electrical installation
- Reduce the cost/price from currently available products

Developed Measurement Technology



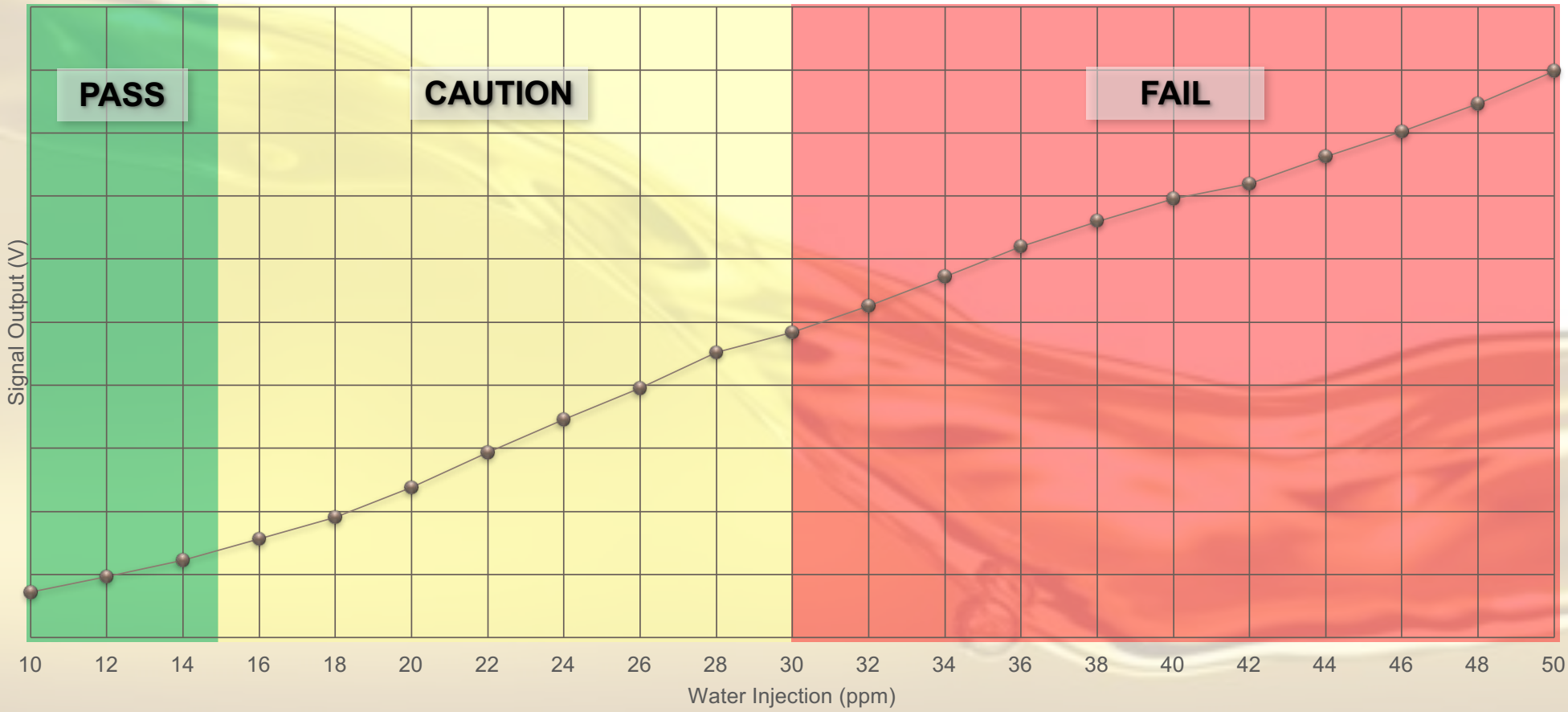


Dry Fuel

Wet Fuel

- Measures the clarity of the fuel
- Leverages and simplifies light scattering sensor technology used in the VCA over the past 10 years
- As free water diffuses/scatters the laser, the optical sensor measure the level of light scatter

Velcon WIF Sensor Range Indicator



Current Product Design

CLEAN DRY FUEL™

- ✓ Technology Will Meet EI 1598 Criteria
- ✓ Resolution of free water: 5 – 50+ ppm
- ✓ Utilizes either NPT/BSP ¼" Sample Ports
- ✓ Powered by 9-30 DCV input
- ✓ Output 4-20 mA Analog
- ✓ System Tie-in Options
  - ✓ Connects directly into existing PLCs
  - ✓ Simple secondary electrical box to tie in to deadman circuit
- ✓ Estimated Installation Time: Less than 1 day

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Applications

- Refuelers
- Fueling Cabinets
- Fuel Farms
- Hydrant Fuel Carts