

CORROSION CONTROL™ CORROSION DETECTION SENSOR (CDS)

As part of the Corrosion Control™ System the Corrosion Detection Sensor (CDS) provides automated notification of a corrosive environment in the tank ullage space. Keep the fuel system running at peak performance and avoid costly maintenance, equipment replacement, downtime, and system failure caused by excessive corrosion.



TECHNICAL ADVANTAGES

- Sensor will detect the presence of corrosion on a sacrificial sample and provide an alarm.
- Protects the tank ullage from the formation of corrosion which can lead to fuel system deterioration.
- Displays a level reading for corrosion index via the EVO™ Series Automatic Tank Gauge (ATG) with programmable alarm types including:
 - Corrosive Environment Present
 - Corrosion Sensor Sample Error
 - Corrosion Sample Needs Replacement
- Compatible with all blends of gasoline, diesel, and Ethanol.
- ATG compatibility:
 - EVO™ 200 and EVO™ 400
 - EVO™ 550 and EVO™ 5000
 - EVO™ 600 and EVO™ 6000

SPECIFICATIONS

Applications

Monitoring for a corrosive environment with a tank ullage space.

Theory of Operation

The CDS is installed in the tank ullage space. The intrinsically safe sensor utilizes an included quick disconnect cable to wire to any EVO™ Series ATG via the probe module (EVO™ 550, EVO™ 5000, EVO™ 600, EVO™ 6000) or any Intrinsically Safe (IS) channel (EVO™ 200 and EVO™ 400). The sensor utilizes a sacrificial metal screen which is used to detect the formation of corrosion. This screen can be removed and replaced upon the formation of corrosion.

ORDERING INFORMATION

Corrosion Control™ Corrosion Detection Sensor

Model	Description
FMP-CDS-U	Corrosion Detection Sensor (all EVO™ Series ATGs)
FMSP-RDS1	Replacement detection screen, qty 1
FMSP-RDS10	Replacement detection screen, qty 10
TSP-KS	Unistrut® mounting kit

Note: this sensor communicates with the ATG via a TS-PRB probe module (EVO™ 550, EVO™ 5000, EVO™ 600, and EVO™ 6000) or via an IS channel (EVO™ 200 & EVO™ 400).

SYSTEM COMPONENTS

Add these Corrosion Control™ System items to your site to proactively prevent and detect corrosion.



**EVO™ 600 OR
EVO™ 6000 ATG**



**WATER
SEPARATOR**



**MULTIPLEXING
SENSOR HUB**



**DESICCANT
PACK**



**ADVANCED
PROTECTION STP**