

Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry

DESCRIPTION

The Scully Connect Sensor is an advanced tool-less overfill prevention sensor that allows for quick, easy and error-free installation of your overfill prevention system. It will save you hours of installation time, prevent mis-wiring of the system, and allow for trouble-free connections. The patent pending sensor and cabling system has been designed for reliable operation and maximum safety.

The sensor features quick connectors for simple sensor installation and replacement, and the new sensor lever allows for tool-less and sensor height adjustment without corrosion issues. The exterior cable connectors on the cap feature marine-grade watertight fittings, and durable tool-less handles with a cable locking option to prevent sensor tampering. The sensor and cap have been extensively field-tested to withstand extreme environmental conditions.



**Scully Connect
Overfill Sensor**

FEATURES AND BENEFITS

- Quick and easy installation- sensor comes pre-wired and connects to cable in seconds.
- Sensor and Holder are designed to withstand all road and weather conditions- watertight seals.
- Tool-less cap with easy-to-use locking handles
- Sensor security- handles offer the option of a locking wire to prevent tampering.
- New sensor level allows for easy height adjustment.
- Cables feature marine-grade connectors and offer compartment-to-compartment connection without the need for a harness system.
- Two versions available- Two-Wire or Five-Wire compatibility.
- Stock one cable for either Two-Wire or Five-Wire compatibility.
- Scully- made in the USA quality and dependability

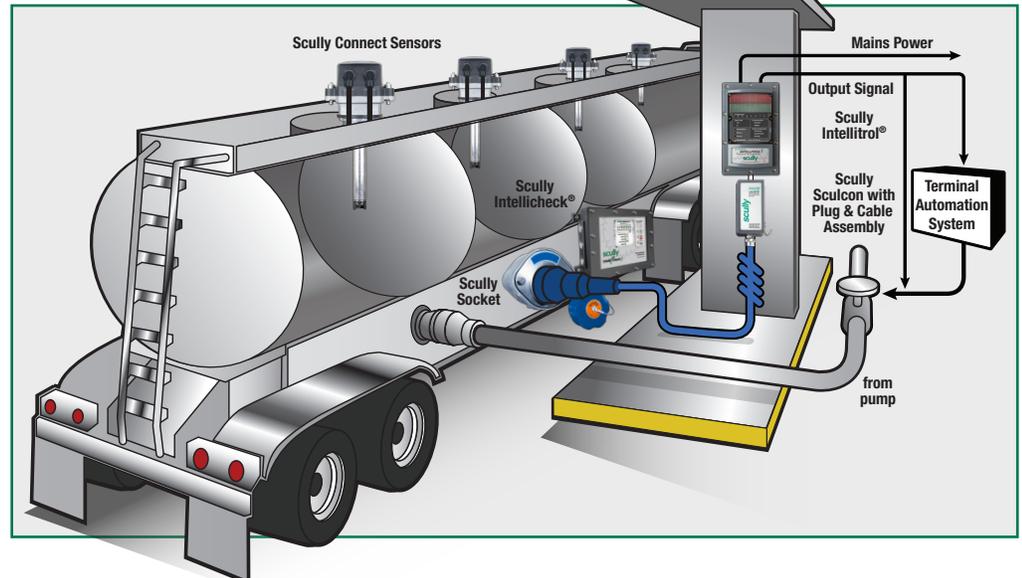


IEC 61508 SIL 3 Capable

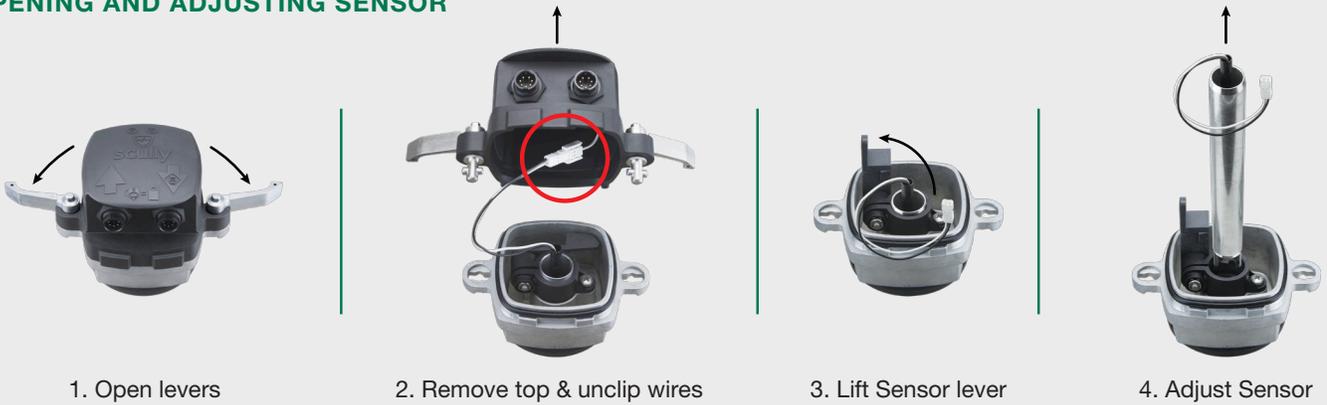
$\lambda_{DU}=1.0 \text{ FIT}^*$ $\lambda_{SU}=116 \text{ FIT}^*$

*FIT = Failure In Time (1x10⁻⁹ failures per hour)

PRINCIPLES OF OVERFILL PREVENTION



OPENING AND ADJUSTING SENSOR



1. Open levers

2. Remove top & unclip wires

3. Lift Sensor lever

4. Adjust Sensor

CONNECTING



1. Insert cable connector, with wire pointing down

2. Turn ring to LOCK position

End Caps are connected to the final sensor in the sensor row

TECHNICAL SPECIFICATIONS

Operating Temp. Range: -40°F to +140°F
(-40°C to +60°C)

Petroleum Product Range: Gasoline blends & light fuel oils

Exposed Materials: Aluminum, borosilicate (Pyrex®) glass, epoxy, conductive nylon and Viton® seals

Level Repeatability: ±1/16" (±1 mm)

Detection Level & Size:

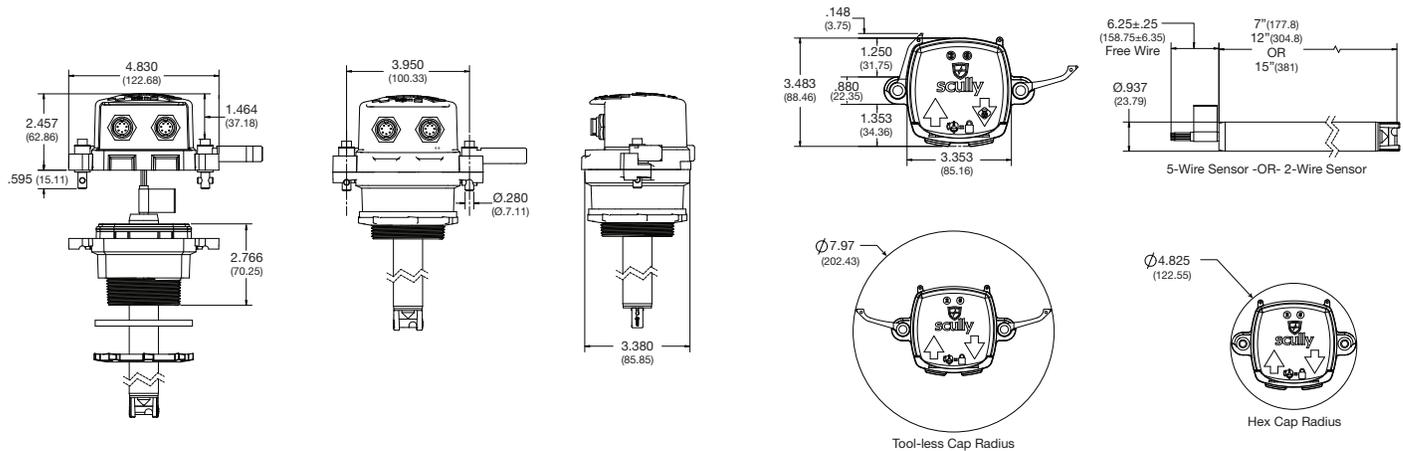
The detection level is adjustable, refer to sensor outline drawing, shown for 7" shaft length

Approvals:

The sensor is intrinsically safe for mounting in Class I, Division 1, Groups C & D Hazardous location in accordance with Scully Control Unit approval ratings.



All Dimensions in Inches (Millimeters in Parenthesis)



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