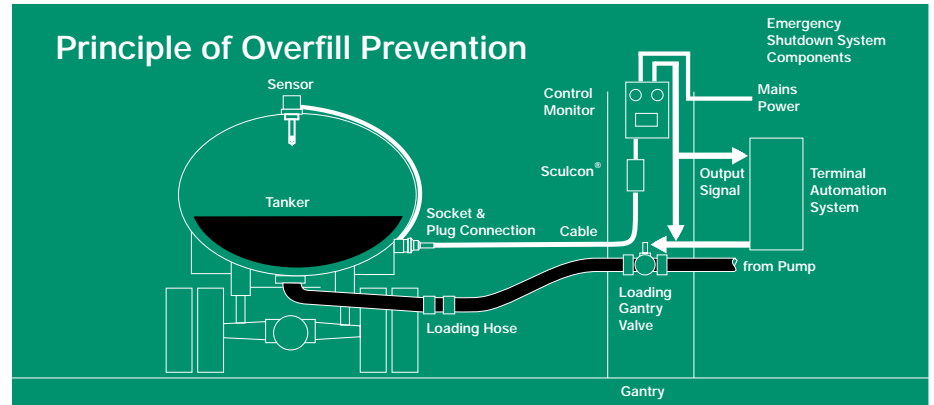


# Scully Five-Wire Optic Sensor

Liquid Level Sensor for Road Tanker Overfill Prevention

Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry



**Scully Five-Wire Optic Sensors** are part of an automatic and continuous self-checking system you can count on. Scully five-wire optic sensors offer all these advantages:

- Maximum safety with Dynacheck® – automatic and continuous self-checking circuitry when used with Scully gantry controls and vehicle onboard monitors
- Solid state construction employing state-of-the-art components and technology
- Scully's field proven electro optics technology
- Wide temperature range
- Employs shaft that is easy to cut when shorter length is needed
- Adjustable sensing level
- Instant permissive signal – no warm-up time required
- Quick purging of liquid – instant re-permit as product level drops below the sensing point
- Fully compatible with all Scully optic controllers
- CENELEC approvals per ATEX Directive 94/9/EC
- Meets new European document WI 296007 requirements

## Description

Scully five-wire optic sensors are designed for liquid petroleum product overfill prevention and point level detection. They are designed to be used with Scully Intellitrol® and ST-35C series gantry control monitors. There is no waiting for the control monitors' permit light to go on because the sensor requires no warm up time. The sensors can also be used with Scully Intelllicheck® or Scully ONBOARD monitor.

## Safety Features

The five-wire optic sensor incorporates Scully's unique and exclusive Dynacheck® circuitry when connected to Scully monitoring equipment. To ensure that the system will always detect an overfill condition, the controller uses pulsed signals which continuously check the entire system operation, including sensors, wiring, connectors and itself. If a sensor comes in contact with liquid, or in the unlikely event of a system fault, the pulsed signals cease and the controller automatically signals for immediate shutdown of the loading operation. No operator involvement is needed! Shutdown is accomplished by controlling pumps or valves.