



Two-Wire Optic Sensor

Liquid Level Sensor for Tank Truck Overfill Prevention

scully

setting new standards in safety

Dynamic
Self Checking®

BYPASSING THIS
SYSTEM REMOVES
SELF-CHECKING
OVERFILLING AND
STATIC GROUND
PROTECTION



Two-Wire Optic Sensor

Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry

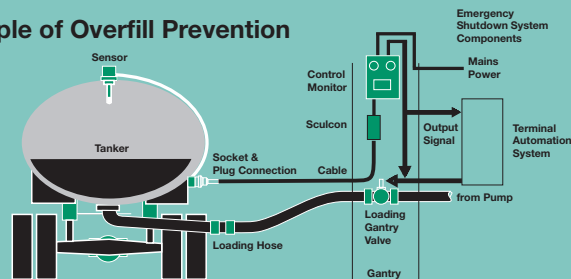
DESCRIPTION

Scully two-wire optic sensors are designed for liquid petroleum product overfill prevention and point level detection. They are designed to be used with the Scully Intellitrol®, Biclops®, and ST-15 series gantry control monitors, and are also used with Scully IntelliCheck® Monitor. There is no waiting for the control monitors' permit light to go on because the sensor requires no warm up time. They can be used for overfill prevention on rail cars and storage tanks.

SAFETY FEATURES

The two-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.

Principle of Overfill Prevention



FEATURES AND BENEFITS

- Maximum safety with Dynacheck®, automatic and continuous self-checking circuitry when used with Scully loading rack 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 easy to cut shaft when shorter length is needed
- Adjustable Sensing Level
- Instant-On™ – Instant permissive signal – no warmup time required
- Quick purging of liquid – instant re-permit as product level drops below the sensing point
- Fully compatible with all Scully thermistor controllers
- FM & CSA approvals for Class I, Division 1, Groups C & D hazardous locations
- Meets requirements of API Recommended Practice RP-1004



60715 Rev C