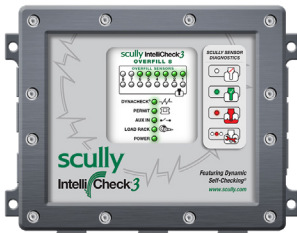




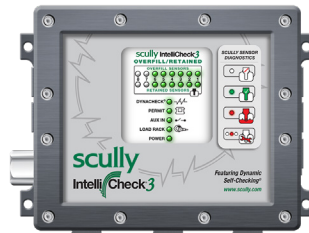
Scully Intellicheck^{®3}

Complete Overfill Prevention & Retained Product Monitoring System

Featuring Dynacheck[®] – Automatic and Continuous Self-Checking Circuitry



Intellicheck^{®3}
Overfill 8



Intellicheck^{®3}
Overfill / Retained

DESCRIPTION

The IntelliCheck^{®3} is the safest and most advanced tank trailer overfill prevention and retained product monitoring system. It saves time and money by reducing down-time and ensuring safe, dependable loading operations.

The IntelliCheck^{®3} Overfill Prevention and Retained monitoring system can be utilized with our newest Bio-Sense[™] retain sensors - first in the industry to create technology for sustainable and greener fuels!

DYNACHECK[®] SAFETY

- Complete automatic and continuous checking of all system components for static operation.
- Complete system diagnostics.
- Visual indication of Dynacheck[®] self-checking, sensor status and fault conditions.
- Indicator for auxiliary switch operation, such as vapor interlock.
- Loading rack connection indicators.

ADVANCED OPTIC SENSING

- Scully optic sensors are used as the "eyes" of the Intellicheck^{®3} to determine loading status.
- Each sensor is independently monitored and tested up to 30 times per second.
- Withstands extreme road and temperature conditions.
- IntelliCheck^{®3} Kits include Scully sensors - the most reliable sensors in the market with nearly double the warranty of any other sensor.

FEATURES & BENEFITS

Overfill Prevention

The IntelliCheck^{®3} Overfill offers a range of features including:

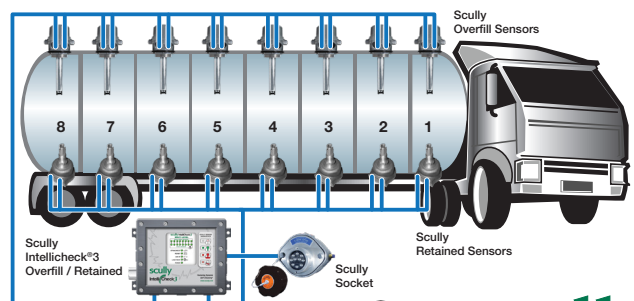
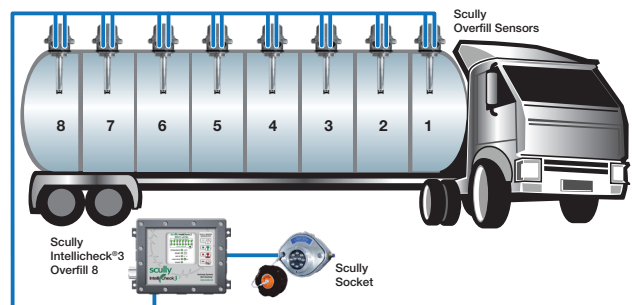
- Advanced, easy-to-understand diagnostics with Bicolor LEDs.
- High-level detection in each vehicle compartment, using either Scully 2-Wire or 5-Wire optic sensors.
- Simplified programming.
- System shutdown within one-half second of high-level or fault condition detection.
- Individual sensor indicators for static conditions such as “wet” sensor or operational faults.
- New 5-Wire Series Wired Sensor compatibility adds diagnostic capability to 5-Wire vehicles.
- Detects opens, shorts and helps pinpoint a specific sensor to save time in troubleshooting.
- Prevents bypassing sensors for maximum safety.
- RoHS compliant design to protect the environment.
- Corrosion-resistant housing.
- Impact and UV resistant window for improved performance.
- Intrinsically Safe and Non-Intrinsically Safe switch outputs.

FEATURES & BENEFITS

Retained Product Monitoring

The IntelliCheck^{®3} Overfill and Retained Product system offers a range of additional features including:

- Retained product detection using 2-Wire optic sensors.
- Loading “lock-out” feature if vehicle returns with product.
- Driver must press retained product acknowledge button for loading to occur.
- Helps prevent product mixing.
- Warns against overfilling of vehicle compartments.
- Fully compatible with Bio-Sense[™] and SP-IR Scully retain sensors.



TECHNICAL SPECIFICATIONS

TEMPERATURE RANGE:

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

Storage: -45° to +85°C (-50° to +185°F).

POWER REQUIREMENT:

Nominal Voltage: 12 to 24 VDC (-0.5, +8 VDC).

Consumption: 9.6 Watts max at 24 VDC.

4.8 Watts max at 12 VDC.

OUTSIDE DIMENSIONS:

235.2mm (9.26") wide,

173mm (6.81") high,

64.5mm (2.54") depth.

WEIGHT: 2.7 kg (6lb).

INTERFACE INPUTS:

- TB4 & TB5 Sensor Inputs: EN 13922 compliant 2-Wire optic only.
- TB3 Auxiliary: I.S. input switch closure less than 100 Ohms.

INTERFACE OUTPUTS:

- TB7: 2.0A at 32 VDC maximum Non-Intrinsically Safe relay.
- TB6 Rack Interface: EN 13922 compliant I.S. interface for 2/5-Wire sensors.
- TB6: Intrinsically Safe relay output. 200mA at 32 VDC maximum or 1.6A at 16 VDC maximum.

APPROVALS:

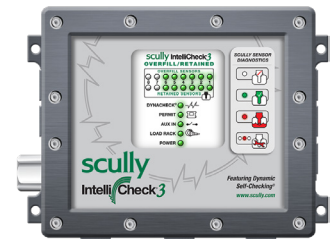
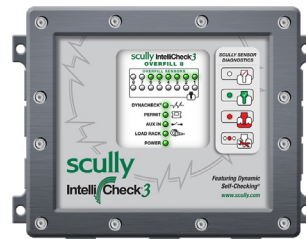
IntelliCheck®3 has safety approvals as an Intrinsically Safe monitoring device for use in:

ITS15ATEX58179

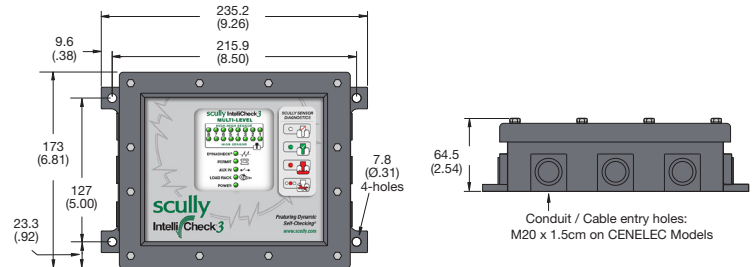
IECEX ETL15.0004

II 2 G Ex eb mb [ia] IIB T4 Gb

-40°C ≤ Ta ≤ +60°C



All Dimensions in Millimeters
(Inches in Parenthesis)



ORDERING INFORMATION - IntelliCheck®3

Description	Part Number
IntelliCheck®3 Overfill 8 Control Monitor (M20)	09580
IntelliCheck®3 Overfill and Retained Monitor (M20)	09582
Intelllicheck®3-R Upgrade Kit, Overfill 8	09584
Intelllicheck®3-R Upgrade Kit, Overfill & Retained	09585
Replacement Module, Overfill 8	09563
Replacement Module, Overfill & Retained	09567

Upgrade Kit (Includes the IntelliCheck®3 module, window kit, compliance label & quick start guide).

Intelllicheck®3 replacement parts available. Contact Scully for details.

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