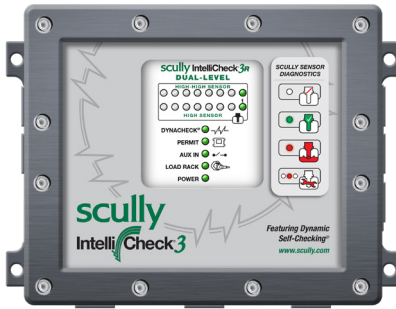# Scully Intellicheck®3 Dual-Level
Single Compartment Dual Level Overfill Monitoring System

Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry

IntelliCheck® 3 Dual-Level

DESCRIPTION
The IntelliCheck®3 Dual-Level is a state of the art single compartment dual overfill monitoring system that is suitable for use on single compartment vehicles which require two levels of monitoring.

The IntelliCheck®3 Dual-Level System is pre-configured for ONE vehicle compartment to ensure maximum safety for proper sensor response should a high or high-high level (overfill) condition occur.

FEATURES & BENEFITS
The IntelliCheck®3 Dual-Level Overfill offers a range of features including:
- Dual-Level Detection Overfill prevention for one compartment.
- Auxiliary input.
- Supports Scully's Dynacheck® automatic and continuous self-checking circuitry.
- Bicolor LEDs providing complete system diagnostics, including sensor status, power, and rack connection.
- Corrosion-resistant housing.
- Scratch-resistant window.
- Compatible with Scully's SP-TO Two-Wire Optic Sensors.
- Intrinsically Safe and Non-Intrinsically Safe switch outputs.

DUAL-LEVEL SPECIFIC OPERATIONS
The IntelliCheck®3 Dual-Level System is pre-configured for ONE vehicle compartment to ensure maximum safety for proper sensor response should a high or a high-high level (overfill) condition occur. Only 2-Wire optic sensors are allowed.
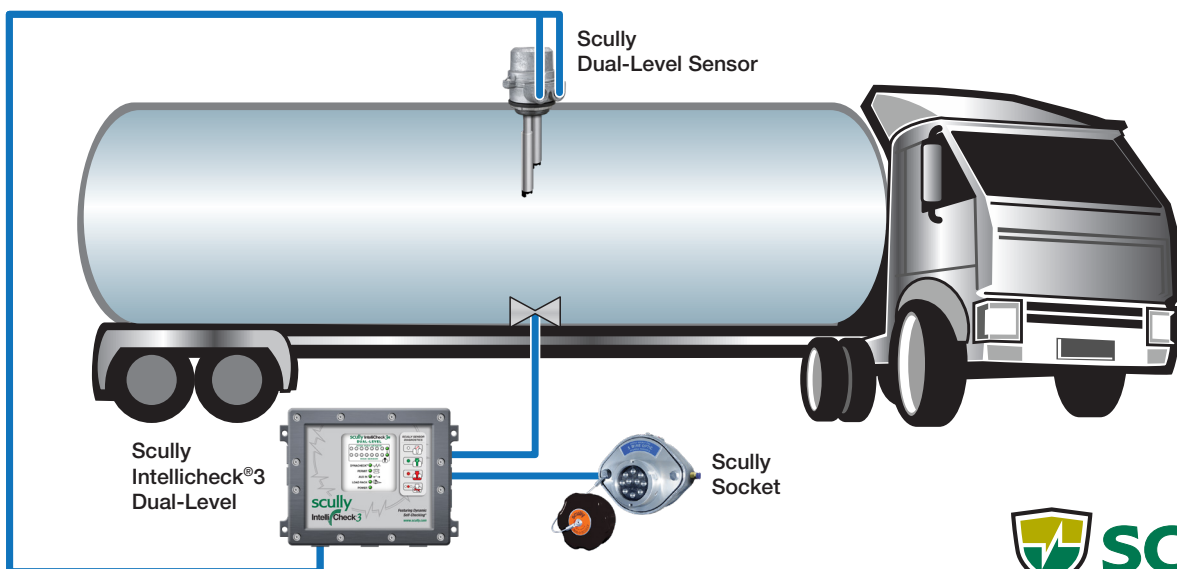The monitor CANNOT be manually reprogrammed to any more compartments and the On Board Programming is disabled. The Dual-Level monitor is configured to detect two different fluid levels and provide two separate outputs, one output respectively for each level detected.

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.

Scully Dual-Level Sensor

Scully Intellicheck®3 Dual-Level

Scully Socket

scully

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:
• TB1: 2.0A at 32 VDC max Non-Intrinsically Safe
  F.E.T. switch.
• TB7: 2.0A at 32 VDC maximum Non-Intrinsically Safe relay.
• TB6 Rack interface: EN 13922 compliant I.S. interface for
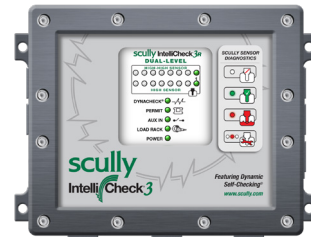 2/5-Wire sensors.

APPROVALS:
IntelliCheck®3 has safety approvals as an Intrinsically Safe
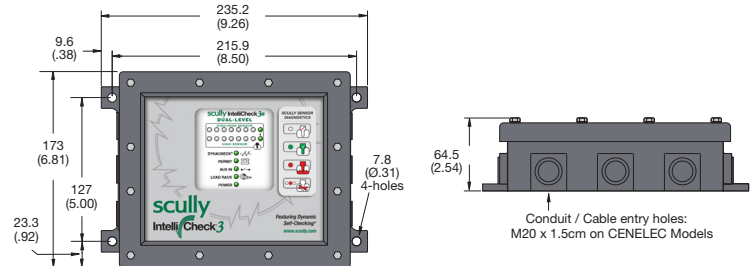monitoring device for use in:
ITS15ATEX58179
IECExETL15.0004
II 2 G Ex eb mb [ia] IIB T4 Gb
-40°C ≤ Ta ≤ +60°C

All Dimensions in Millimeters
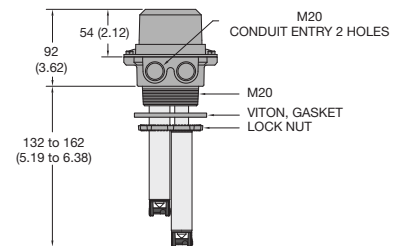(Inches in Parenthesis)

Conduit / Cable entry holes:
M20 x 1.5cm on CENELEC Models

ORDERING INFORMATION - IntelliCheck®3

Description	Part Number
Dual-Level Level Monitor (M20)	09583
Dual-Level Replacement Module	09579

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

All Dimensions in Millimeters
(Inches in Parenthesis)

M20
CONDUIT ENTRY 2 HOLES

M20
VITON, GASKET
LOCK NUT

ORDERING INFORMATION - DUAL-LEVEL SENSOR

Description	Part Number
SP-TO, 7" with M20 Holder	092000237
SP-TO, 12" with M20 Holder	092000238
SP-TO, 15" with M20 Holder	092000239
SP-TO, 7" Replacement Sensor	092000268
SP-TO, 12" Replacement Sensor	092000269
SP-TO,15" Replacement Sensor	092000270
M20 Replacement Holder	092000276

Dynamic Self-Testing® Overfill Prevention Systems