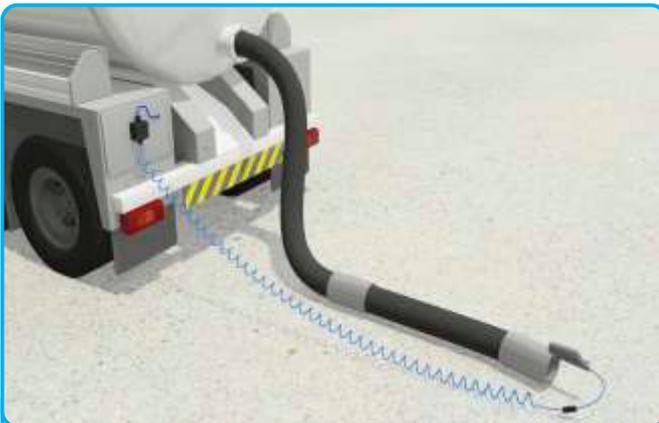


OhmGuard[®]

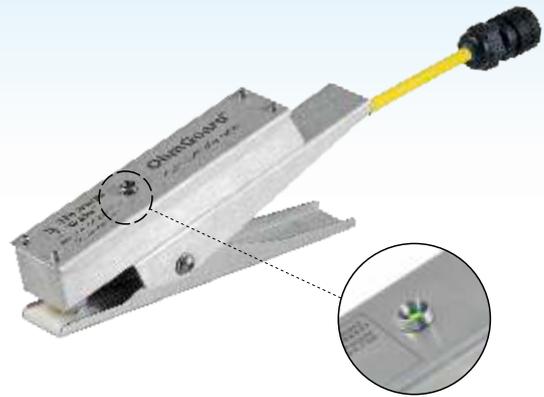
Hose Continuity Tester

The **OhmGuard**[®] hose continuity tester is designed to test hoses used on vacuum trucks and tanker trucks prior to the transfer of flammable or combustible products. It verifies that the electrical conductivity of the hose is functioning correctly, ensuring static electricity is not permitted to accumulate on the metal components of the hose which will eliminate the risk of a fire or explosion caused by the discharge of a static spark.

The **OhmGuard**[®] is easy and quick to use, does not require any specialist operator training and will indicate, within seconds, if the hoses are safe to use.



The **OhmGuard** is easy to operate and does not require any specialist training. The driver simply connects the OhmGuard's cable to a junction box situated on the truck and connects the OhmGuard clamp to the end fitting as illustrated. The LED will pulse if the hose has an electrical continuity of less than 100 ohms with the truck.



The **OhmGuard** hose tester: made of a rugged stainless steel construction and containing a **highly luminous green LED** which pulses when a hose passes the electrical continuity test.

Applications

- Testing vacuum truck hoses prior to spill cleanup or material recovery operations.
- Testing bulk tanker truck hoses prior to the delivery of flammable products (e.g. solvents) to storage tank farms.
- General resistance testing of chemical and petrochemical compatible hoses.



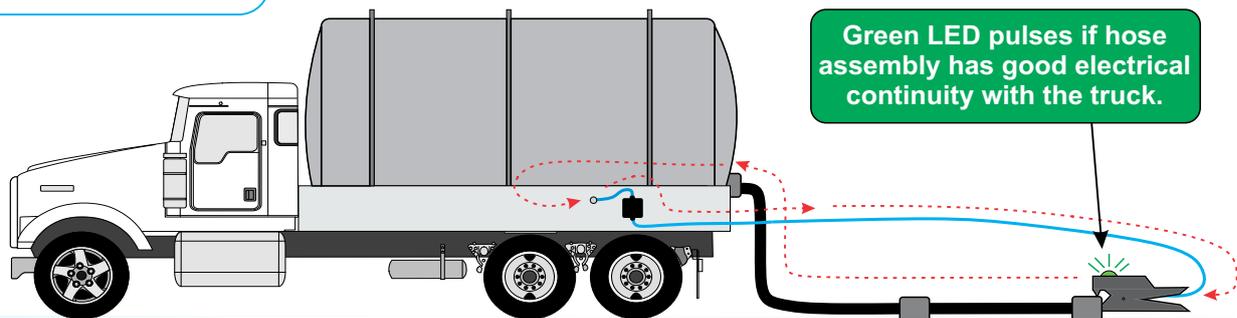
OhmGuard[®] benefits:

- Proves the hoses have good electrical continuity with the grounded truck.
- One time test with visual **GO / NO GO** indication.
- Easy to operate. Drivers do not need specialist training.
- Intrinsically Safe certification for hazardous areas / HAZLOC approved credentials.
- Lower cost than equivalent HAZLOC approved multimeters.
- Robust Stainless Steel[®] construction and more robust than Multimeters in the field.
- Tungsten carbide teeth penetrate any slurries or deposits caked onto the hose end fitting.
- Enables early detection of faults without the need to wait for scheduled periodic testing.



The metal helical wires that reinforce hoses against discharge and suction pressures are commonly used to provide an electrical bond between the end fittings or couplings of hoses. It is important to ensure that wires, like the one illustrated, do not break as this will result in the presence of isolated conductors that have the potential to discharge electrostatic sparks during the material transfer operation.

OPTION 1

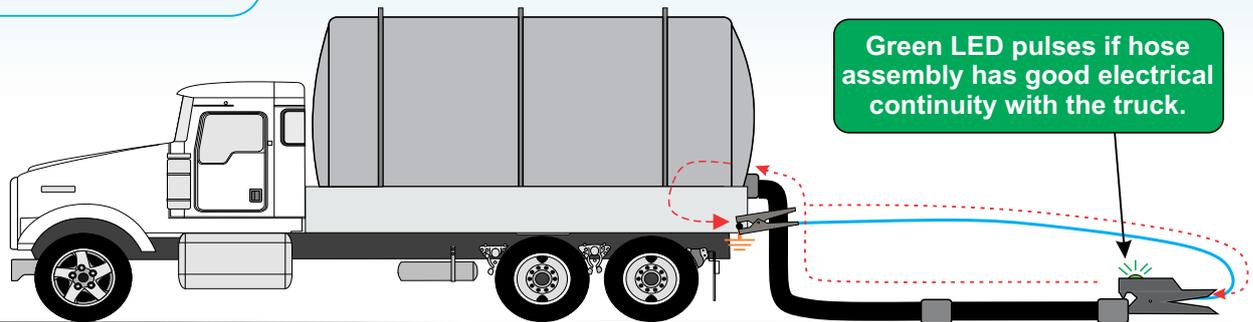


OhmGuard[®] connected via a truck mounted junction box: The OhmGuard[®] injects an Intrinsically Safe current through the assembled sections of hoses and through the truck body to the Junction Box fitted to the truck. If the current returns to the OhmGuard[®] via the blue cable a green LED will pulse continuously indicating that the hoses have good electrical continuity with the truck.

PLEASE NOTE: It is assumed that the truck itself has a verified connection to ground, otherwise static charges will accumulate on, and potentially discharge from, the truck. Truck grounding verification can be achieved with Newson Gale's **Earth-Rite[®] MGV** mobile ground verification system.

Find out more at www.newson-gale.com or call us on the numbers provided at the bottom of the next page.

OPTION 2



OhmGuard[®] connected to the truck with a 2 pole clamp: The OhmGuard[®] injects an Intrinsically Safe current through the assembled sections of hoses and through the grounding clamp attached to the truck. If the current returns to the OhmGuard[®] via the blue cable a green LED will pulse continuously indicating that the hoses have good electrical continuity with the truck.

NOTE: this OhmGuard[®] configuration may also be used to test hose sections and assembled strings of hoses.



Hazardous location approvals:

ATEX:



IECEX:

Ex ia IIC T4 Ga
Ex ta IIIC T135°C Da
Ta = -40°C to +60°C

North America:



Class I, II & III, DIV. 1 & 2 and all gas groups

Battery:

9V Lithium battery included.

Resistance PASS level:

0 to 100 ohms.

Ordering Code	Product Description
OGC10/BOX	OhmGuard with 10m (32 ft.) Hytrel 2 core spiral cable + Junction box
OGC15/BOX	OhmGuard with 15m (50 ft.) Hytrel 2 core spiral cable + Junction box
OGC10/IPX90	OhmGuard with 10m (32 ft.) Hytrel 2 core spiral cable + X90-IP clamp
OGC15/IPX90	OhmGuard with 15m (50 ft.) Hytrel 2 core spiral cable + X90-IP clamp

The OhmGuard[®] forms part of Newson Gale's range of testers designed to test the electrical continuity of equipment destined for use in hazardous locations.

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