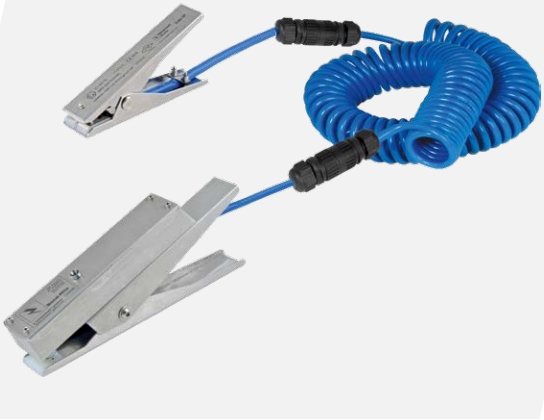
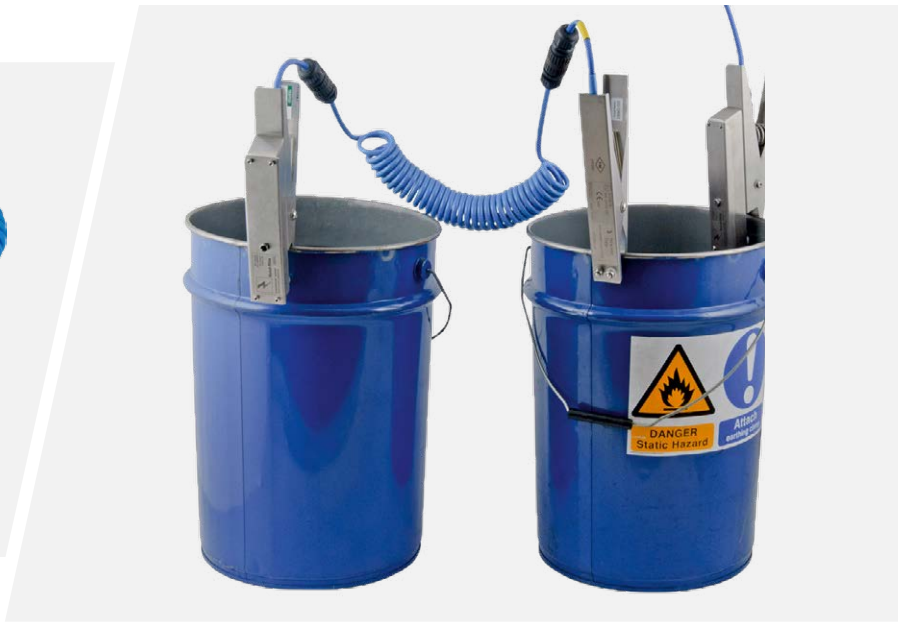
Bond-Rite® EZ

Portable Static Bonding Assembly

Online Inquiry >



Bond-Rite EZ



The Bond-Rite EZ is a flexible device that bonds two conductive metal objects at risk of static charge accumulation.

When the Bond-Rite EZ establishes a 10 Ohms or less resistance between both conductive objects the green LED indicator illuminates, pulsing continuously.

Once connected the Bond-Rite EZ continuously monitors the resistance between both metal objects.

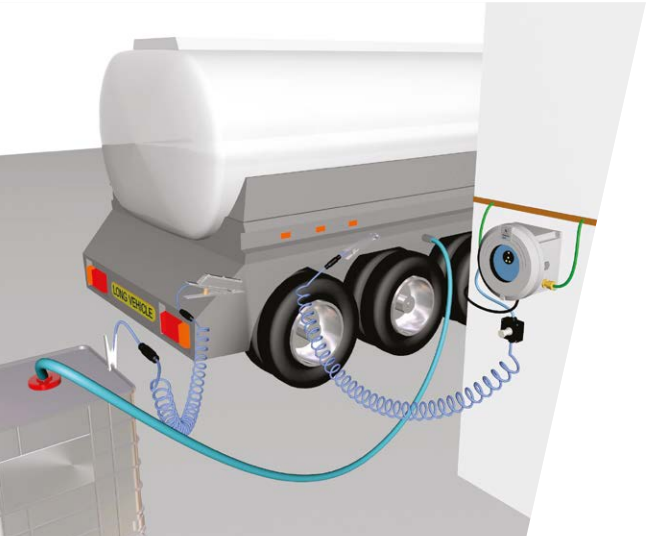
In addition to bonding, the Bond-Rite EZ can be used by competent electrical personnel to ground objects at risk of electrostatic charging.

In such scenarios, the competent electrical person must be sure that the grounding point, e.g. wall mounted bus-bar, has a verified connection to the general mass of the earth.

The Bond-Rite EZ houses the ground loop monitoring circuit and a bright green LED in a rugged stainless steel enclosure.

10 Ohms loop resistance monitoring based on National, International and Recommended Practices*.

Once the process is complete and any interconnecting pipework has been removed, to avoid damage/injury, the clamp should be carefully removed and placed on the appropriate stowage point.



Example of grounded truck bonded to IBC

***IEC TS 60079-32-1**
"Explosive atmospheres: Electrostatic hazards, guidance"

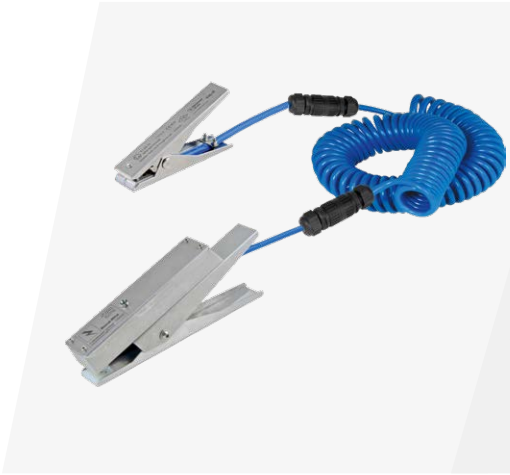
***NFPA 77**
"Recommended Practice on Static Electricity"

* Always check for and read the latest version of the International Standards, Guidance and/or Recommended Practices.

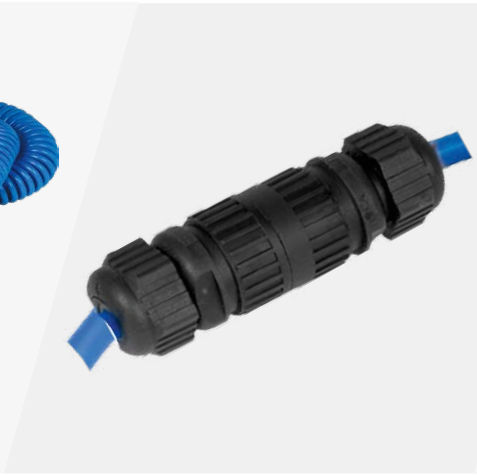
Bond-Rite®EZ

Features and Benefits

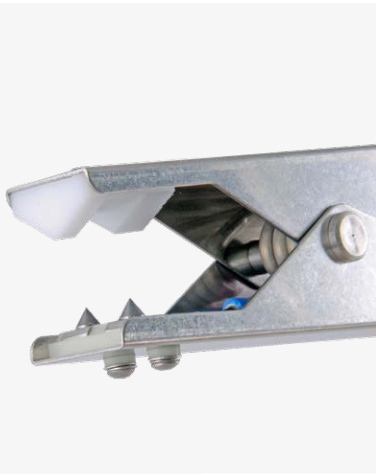
- Monitors the loop resistance between conductive metal objects of 10 Ohms or less based on International Standards and Recommended Practices.
- Designed for long lifetime use the **Stainless Steel clamp body** is mechanically robust and designed for use in heavy duty industrial environments - resistant to chemical attack and environmental corrosion.
- Aided by powerful spring action, **tungsten carbide teeth** support the penetration of product deposits and coatings to establish a 10 Ohms or less connection to the conductive base metal.
- **In-line quick connectors** allow flexible interchangeability of different clamp sizes and cable lengths - useful for storing and replacing clamps and cables.
- **Certified intrinsically safe circuit** permits the **Bond-Rite® EZ** to be used in the most hazardous gas, vapour and dust atmospheres.



Bond-Rite EZ
With large heavy duty clamp and 5m of Cen-Stat™ protected cable. Also available with standard size heavy duty clamp.



In-Line Quick Connect



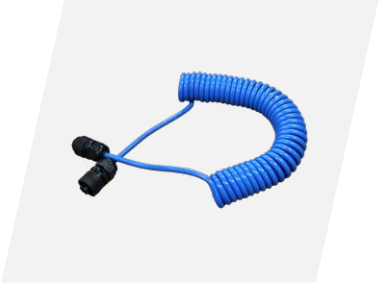
Tungsten Carbide Teeth

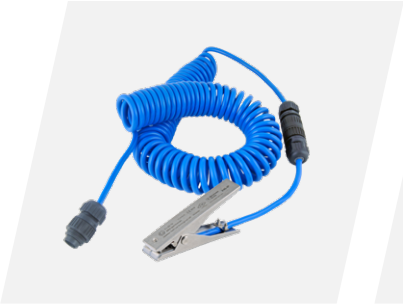
Equipment Options

Grounding Clamps and Cable Length Options

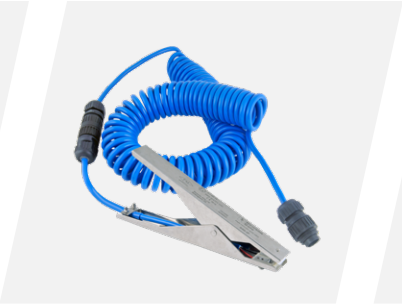
Equipment specifiers can order the Bond-Rite EZ with grounding clamps (VESX45-IP, VESX50-IP or VESX90-IP) and 2-pole Cen-Stat cable on standard spiral lengths of 10 ft (3 m), 16 ft (5 m) and 32 ft (10 m) of cable.

The spiral cable retracts when the clamp is not in use, ensuring the cable is neatly stowed and safely out of the way.

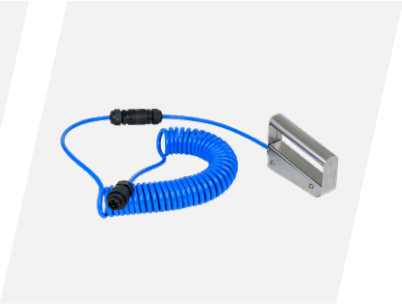




VESX45-IP



VESX90-IP

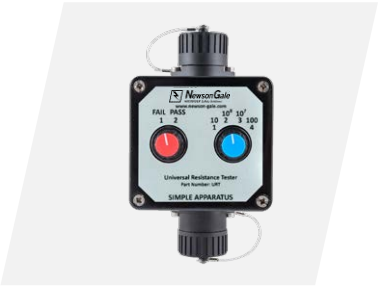


VESX50-IP

Universal Resistance Tester (URT)

The URT is designed to provide users of Newson Gale **Bond-Rite**® static grounding systems with a means of testing the permissive resistance range on a regular basis.

The easy to use tester consists of a pair of rotary switches that enable a competent electrical person to check the resistance level at which the grounding system should be working and conduct a PASS / FAIL test at the required setting.



Technical Specification

Maximum Ambient Temperature	-40°F to + 140°F (40°C to +60°C)
Monitored Loop Resistance	Nominally ≤10 Ω (±10%)
Indicator Lamp LED	1 Green
Clamp Dimensions	Length: 9.5” (240mm) Width: 1.4” (34mm)

Hazardous Area Certification

North America Version Available:

NEC 500 / CEC (Class & Division)
Intrinsically safe equipment Exia for use in:
Class I, Div. 1, Groups A, B, C, D.
Class II, Div. 1, Groups E, F, G.
Class III, Div. 1.
Temperature Code: T4
Ta = -40°F to +140°F / -40°C to +60°C
OSHA recognised NRTL: CSA

Europe / International:

IECEx
Ex ia IIC T4 Ga
Ex ia IIIC T135ºC Da
Ta = -40ºC to +60ºC
IECEx EXV 19.0058
IECEx Certifying Body: ExVeritas

ATEX
Ex II 1 G
II 1 D
Ex ia IIC T4 Ga
Ex ia IIIC T135ºC Da
Ta = -40ºC to +60ºC
ExVeritas 19ATEX0543
ATEX Notified Body: ExVeritas

UKCA Ex
Ex II 1 G
II 1 D
Ex ia IIC T4 Ga
Ex ia IIIC T135ºC Da
Ta = -40ºC to +60ºC
ExVeritas 21UKEX0834
UKCA Ex Approved Body: ExVeritas

CCC
Ex ia IIC T4 Ga
Ex ia IIIC T135ºC Da
2021312309000480
Approved Body: CNEX

KCs (Gas)
Ex ia IIC T4 Ga
Ta = -40ºC to +60ºC
22-AV4BO-0296X
Approved Body: KOSHA

KCs (Dust)
Ex ia IIIC T135ºC Da
Ta = -40ºC to +60ºC
22-AV4BO-0297X
Approved Body: KOSHA

United Kingdom
Newson Gale Ltd
Omega House
Private Road 8
Colwick, Nottingham
NG4 2JX, UK
+44 (0)115 940 7500
groundit@newson-gale.co.uk

United States
IEP Technologies LLC
417-1 South Street
Marlborough, MA 01752
USA

+1 732 961 7610
groundit@newson-gale.com

Deutschland
IEP Technologies GmbH
Kaiserswerther Str. 85C
40878 Ratingen
Germany

+49 (0)2102 58890
erdung@newson-gale.de