

Earth-Rite® REMOTE

Continuous Ground Loop
Monitoring with visual indication.



The precision and reliability of the **Bond-Rite® REMOTE** provides enhanced safety and security by continuously testing the connection of the clamp to the container or other conductive item of plant in a complete loop made through the designated grounding point.

The **Bond-Rite® REMOTE** indicator station houses the ground loop monitoring circuit and a bright green LED which pulses continuously when it detects that the resistance between the equipment to be grounded and the site's verified earth ground (e.g. copper tape) is 10 ohms or less.

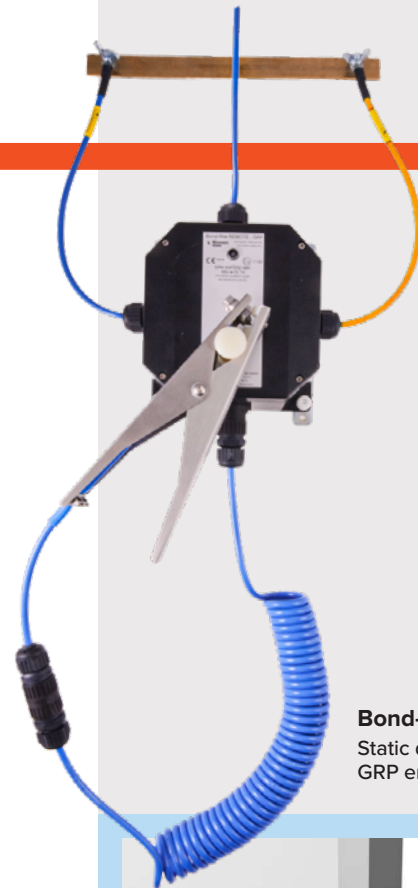
Once connected the **Bond-Rite® REMOTE** continuously monitors the resistance of the circuit between the equipment and the verified ground point (e.g. wall-mounted bus bar). The pulsing green LED provides process operators with a continuous visual reference point that enables them to monitor the ground status of equipment at risk of accumulating static electricity and discharging static sparks.

The standard GRP enclosure is static dissipative and suitable for general processing environments. The stainless steel enclosure (SS 304) is designed to cater for hygienic or corrosive environment specifications.

Both enclosures provide an IP 66 degree of ingress protection and are suitable for both indoor and outdoor installation.

The **Bond-Rite® REMOTE** can be powered with an intrinsically safe 9V battery (included) or an external 230/115 V AC power supply which can power up to 10 individual indicator stations.

The **Bond-Rite® REMOTE** is an ideal solution for applications and installations where interlocks with the process are not possible.



Bond-Rite® Remote
Static dissipative
GRP enclosure



Typical Applications:

- Filling and dispensing to/from metal containers, including drums, waste drums, mixing vessels
- Grounding equipment used in mixing and blending operations

Earth-Rite® Remote (EP)

Features and Benefits:

For process applications that require grounding for more than 6 hours per day, the **Bond-Rite® REMOTE EP** (EP = Externally Powered) utilises 230 V AC or 115 V AC mains supply / line power to power the monitoring circuit of each indicator station.

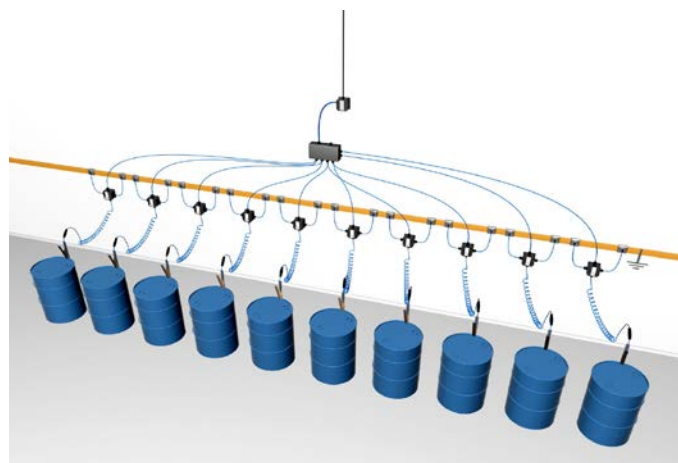
The external power supply can be located in both the 'hazardous' (Zone 2/22 - Div.2) and 'non-hazardous' areas, with the indicator stations mounted in the zoned / HAZLOC area (Zone 0 / Div.1) or lower.

When used in conjunction with the Newson Gale Universal power supply, up to 10 Bond-Rite REMOTE indicator stations can be powered simultaneously. This enables users to actively monitor up to 10 items of plant equipment at risk of electrostatic charging (e.g. drums) independently of each other.

An additional advantage of this configuration is that the external power supply itself can be installed within the hazardous area. For more detailed information please refer to the ATEX / IECEx and cCSAus technical specification pages.



Bond-Rite REMOTE
Stainless steel enclosure



Ideal for multiple drum filling applications

Features and Benefits:

- **Highly visible LED** housed in wall mounted enclosure ensures operators know when a low resistance connection is achieved with potentially charged equipment.
- **Tungsten carbide teeth** bite through product deposit build up, rust & drum coatings to ensure proper bonding connections are made.
- **Stainless steel clamps** designed to withstand use in tough chemical processing and industrial environments.
- **10 ohms loop resistance** monitoring compliant with international Recommended Practice*.
- Indicator station mounted **stowage pin** provides operators with a location to return the grounding clamp when the operation is finished.

* **IEC 60079-32**, "Explosive atmospheres: electrostatic hazards, guidance".

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