

## Earth-Rite® RTR Tester

This Tester provides competent electrical personnel with the ability to confirm that the functional characteristics of the **Earth-Rite® RTR** static grounding system are working to parameters that will confirm a road tanker truck at risk of static charge accumulation is safely grounded.

The easy to use Tester enables the user to “dial in” a number of settings via a pair of rotary switches that indicate the **Earth-Rite® RTR** system is fit for use. The Tester should be used during the installation or commissioning of **Earth-Rite® RTR** systems.



All Earth-Rite RTR Testers are supplied with a detailed set of instructions plus a log-sheet for recording the results of each test.



**Earth-Rite® RTR Tester**

### Functional Parameter Tests:

- **Road Tanker Recognition:**  
Ensures the Earth-Rite RTR system goes permissive when connected to a road tanker truck, and non-permissive when connected to other objects like the loading rack or parts of the road tanker truck isolated from the truck's tank.
- **Continuous Ground Loop Monitoring:**  
Ensures the Earth-Rite RTR system only goes permissive when the connection resistance between the road tanker truck and the verified ground is 10 ohms or less.
- **Clamp and Cable test:**  
Ensures good continuity in the circuit through the grounding clamp teeth, conductors and Quick Connect.



## Easy Operation:

- When the **Earth-Rite RTR** is installed, the Tester is fitted in series with the clamp and cable of the RTR system (see pictures below). This is achieved by disconnecting the clamp from the cable and reconnecting the Tester in series using the compatible **Quick Connects** which are supplied as standard on all **Earth-Rite RTR** systems.
- The competent electrical person will then follow a table of instructions (supplied with the Tester) that will outline which switch settings to make active that will test the various functions of the **Earth-Rite RTR**.
- The results of the test should be recorded as part of the installation or commissioning procedure.



Earth-Rite® RTR road tanker truck static grounding system



The RTR Tester imposes the electrical characteristic of a road tanker truck on the Earth-Rite RTR and will also demonstrate a non-permissive condition when connected to metal structures other than a road tanker truck.



The Tester is fitted in series with the clamp and cable of the RTR system using compatible Quick Connects.

## Ordering Code: ER2/CRT

The RTR Tester is classed as a Simple Apparatus device and can be used within all Classified or Zoned hazardous areas.

The Earth-Rite RTR forms part of the Earth-Rite range of Static Grounding and Bonding Equipment available from Newson Gale



**Newson Gale Inc**  
460 Faraday Avenue  
Bldg C  
Jackson, NJ 08527  
USA  
Tel: +1 732 961 7610  
Fax: +1 732 791 2182  
Email: [groundit@newson-gale.com](mailto:groundit@newson-gale.com)



**Newson Gale Ltd**  
Omega House  
Private Road 8  
Colwick, Nottingham  
NG4 2JX, UK  
Tel: +44 (0)115 940 7500  
Fax: +44 (0)115 940 7501  
Email: [groundit@newson-gale.co.uk](mailto:groundit@newson-gale.co.uk)



**Newson Gale GmbH**  
Ruhrallee 185  
45136  
Essen  
Deutschland  
Tel: +49 (0)201 89 45 245  
Fax: +49 (0)201 42 60 026  
Email: [erdung@newson-gale.de](mailto:erdung@newson-gale.de)



**Newson Gale S.E.A. Pte Ltd**  
136 Joo Seng Road  
#03-01  
Singapore  
368360  
Tel: +65 6420 0443  
Fax: +65 6725 0570  
Email: [ngsea@newson-gale.com](mailto:ngsea@newson-gale.com)