

1. Purpose of the Norm

This norm serves to create the prerequisites for electrical measurements of the occupation of track sections by vehicles at rest and/or in motion (static-dynamic occupation signalling) in the case of **two rail operation** to NEM 620.

2. Bridging resistance

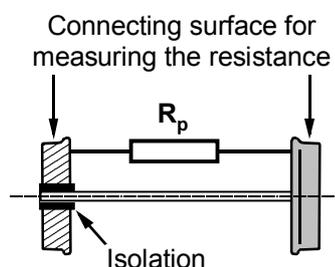
In the case of **vehicles without electrical equipment** a resistance element is attached for bridging the isolation of the wheelset (**bridging resistance**). Design, shape and installation of the bridging resistance can be carried out in any suitable form. Its value is determined as:

$$R_p = 15 \text{ k}\Omega \text{ (Kilo Ohms)} \pm 20\%$$

3. Measurement of the bridging resistance

Bridging resistance R_p is determined between the running surfaces of the wheelset.

Fig. 1 Schematic depiction of the wheelset with electrical isolation, bridging resistance and measuring surfaces



4. Note

The number of axles within one train bridged according to this standard is not prescribed.