AS/NZS IEC 60079.32.2:2022
IEC 60079-32-2:2015

Australian/New Zealand Standard™

Explosive atmospheres

Part 32.2: Electrostatics hazards – Tests

AS/NZS IEC 60079.32.2:2022

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-014, Equipment for Explosive Atmospheres. It was approved on behalf of the Council of Standards Australia on 27 January 2022 and by the New Zealand Standards Approval Board on 02 February 2022.

This Standard was published on 11 February 2022.

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This Standard was issued in draft form for comment as DR AS/NZS IEC 60079.32.2:2021.

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ISBN 978 1 76113 646 7

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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-014, Equipment for Explosive Atmospheres.

The objective of this document is to describe test methods concerning the equipment, product and process properties necessary to avoid ignition and electrostatic shock hazards arising from static electricity. It is intended for use in a risk assessment of electrostatic hazards or for the preparation of product family or dedicated product standards for electrical or non-electrical machines or equipment.

The purpose of this document is to provide standard test methods used for the control of static electricity, such as surface resistance, earth leakage resistance, powder resistivity, liquid conductivity, capacitance, and evaluation of the incendivity of provoked discharges. It is especially intended for use with existing Standards of the AS/NZS IEC 60079 series.

This document presents the latest state of knowledge which may, however, slightly differ from requirements in other standards, especially concerning test climates. When a requirement of this document conflicts with a requirement specified in AS/NZS IEC 60079.0, to avoid the possibility of re-testing previously approved equipment, the requirement in AS/NZS IEC 60079.0 applies only for equipm[illegible] this document a[illegible]

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