



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50050:2001

ICS 87.100

**ELECTRICAL APPARATUS FOR  
POTENTIALLY EXPLOSIVE ATMOSPHERES -  
ELECTROSTATIC HAND-HELD SPRAYING  
EQUIPMENT**

National Standards  
Authority of Ireland  
Dublin 9  
Ireland

Tel (01) 807 3800  
Tel (01) 807 3838

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EUROPEAN STANDARD

**EN 50050**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2001

ICS 87.100

Supersedes EN 50050:1986

English version

**Electrical apparatus for potentially explosive atmospheres -  
Electrostatic hand-held spraying equipment**

Appareillage électrique pour atmosphères  
explosibles -  
Équipement manuel de projection  
électrostatique

Elektrische Betriebsmittel für  
explosionsgefährdete Bereiche -  
Elektrostatische Handsprüheinrichtungen

This European Standard was approved by CENELEC on 2001-05-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

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### Foreword

This European Standard was prepared by SC 31-8, Electrostatic painting and finishing equipment, of Technical Committee CENELEC TC 31, Electrical apparatus for explosive atmospheres.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50050 on 2001-05-01.

This European Standard supersedes EN 50050:1986.

The following dates were fixed:

- latest date by which the EN has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2002-04-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2004-04-01

This European Standard specifies the constructional and test requirements for hand-held and hand-operated electrostatic spray guns and associated apparatus which are used to spray flammable coating materials which may form explosive atmospheres. These spraying devices are considered to be devices of group II, category 2 in accordance with Directive 94/9/EC. It is taken for granted that the devices will be used in mechanically ventilated spraying areas or under equivalent ventilation conditions.

Annexes designated "informative" are given for information only.  
In this standard, annex A is informative.

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