



IONISER

European Catalogue Numbers:

VWRI611-3446 IONISER FOR ANAL. AND PRECISION BALANCES

User Manual

Version 1 Issued 7/12/15



Legal Address of Manufacturer

Europa

VWR International bvba
Researchpark Haasrode 2020
Geldenaaksebaan 464
B-3001 Leuven
+ 32 16 385011
<http://be.vwr.com>

Country of origin

Italy

Intended use

Ionizer is used to neutralize the static charge on the samples to be weighed .

INDEX

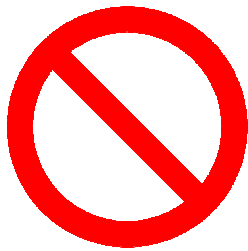
1	INTRODUCTION	2
2	SAFETY REGULATIONS	2
3	PRECAUTIONS.....	3
4	TECHNICAL FEATURES.....	3
5	CONTENT OF THE PACKAGE	4
6	INSTRUMENT OVERVIEW	4
7	OPERATION	5
8	APPLICATIONS	6
9	DEVICE MAINTENANCE.....	6
10	TECHNICAL SERVICE.....	7
11	WARRANTY	7
12	COMPLIANCE WITH LOCAL LAWS AND REGULATIONS	8
13	EQUIPMENT DISPOSAL	8

1 Introduction

The ioniser has two conductive needles that powered at high voltage produce ions at positive and negative charge. These ions are attracted to weighing material charged electrostatically, neutralizing in this way the disturbing electrostatic charge.

Neutralizing electrostatic charges, forces that falsify weighing will disappear (es. Wrong weighing result, instability).

2 Safety regulations



- Use the ioniser in potentially explosive environments. The instrument is not protected against explosions.
- Expose the ioniser to high humidity for a prolonged time.
- Disassemble or modify the ioniser.



- The use of the ioniser is intended in combination to electronic balances. Do not use it for other purposes.
- Protect the ioniser against steam and dust.
- Avoid damages due to drops or hits.
- The ioniser produces toxic ozone, therefore provide for proper ventilation.



- If water or other foreign matter enters the ioniser, immediately switch off and disconnect the ioniser from the mains.
- Handle with care ions source and the outputs because of high voltage.
- Use only power supply provided.
- For maintenance work and cleaning disconnect ioniser from network.
- In case of inactivity disconnect ioniser from network.

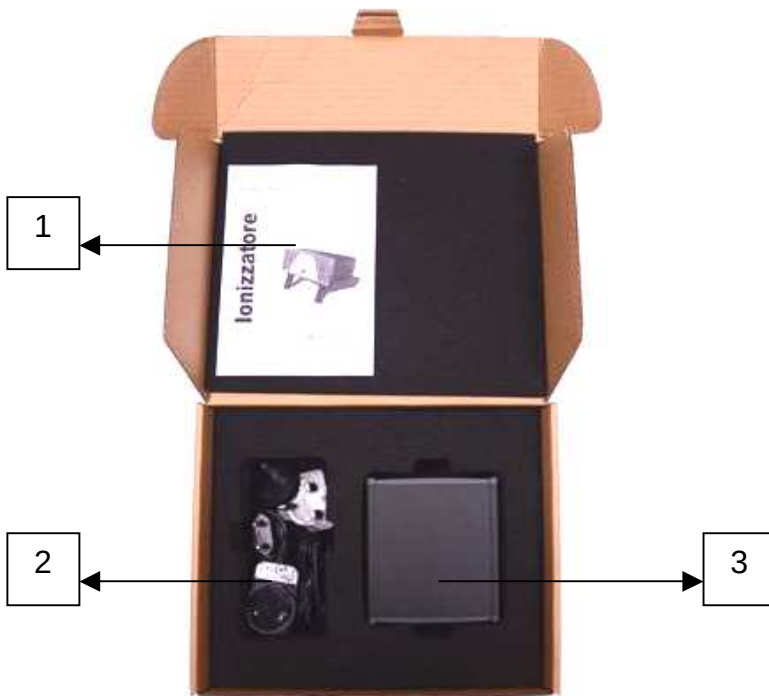
3 Precautions

1. Effect regular maintenance and cleaning of the ioniser:
 - Ions cleaning after 100 hours.
 - Replacement of ions source after 10000 hours.
2. Operation of damaged ioniser may cause electric shortcircuit or fire.
3. It is not allowed operation outdoor and in vehicles.
4. Before ionizing powder material switch off the fan.

4 Technical features

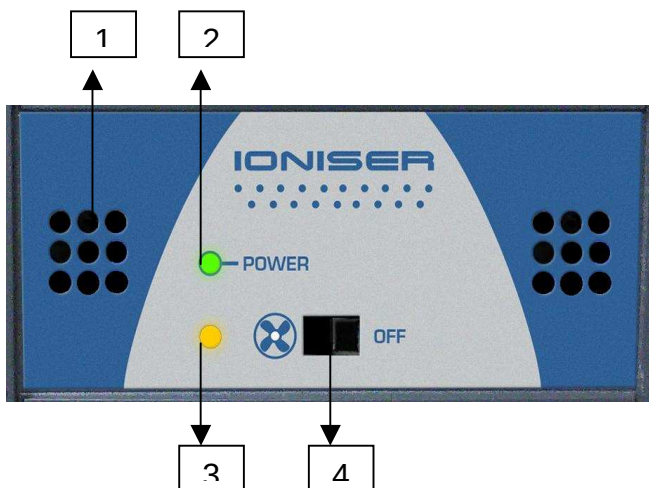
Distance between the sample and ions source	approx. 5 - 40 cm
Discharge time	9s / 5cm, 13s / 10cm, 100s / 40cm (with blower turned on)
Hozone concentration	from 0 ~ 0.05 ppm (2cm from ions source)
Max. volume of the air	0.06cm ³ / min
Specific environment conditions	0 – 50°C, 20 ~ 80% air humidity (no condensation)
Input voltage	AC 100-240V, 50/60Hz
Secondary voltage supply	DC 12V, 500mA
Pollution degree	2
Overvoltage category	Category II
Maximum height of installation	Up to 2000m
Installation site	Only indoors
Dimensions (cm)	11 x 10,5 x 4,5
Weight (g)	310

5 Content of the package



1. User manual
2. Power supply 12V with interchangeable sockets
3. Ioniser

6 Instrument overview



1. Ionization point
2. Green led
3. Yellow led
4. Switch for ioniser with blower

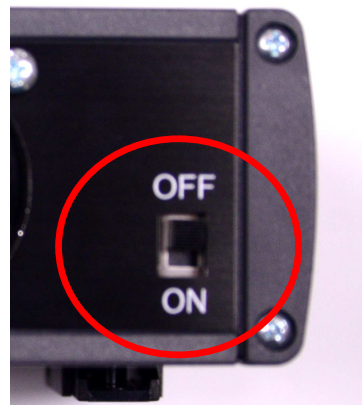


5. Ventilation fan
6. Main switch
7. Power supply connector

7 Operation

Power is supplied through an external power supply. Use only original power supply included in the package. Connect the ioniser to electrical network only with instrument switched off (main switch "OFF").

Once the ioniser is connected to the network with its power supply move back switch on "ON" and the instrument will start operating.



Blower switching:

Through front switch blower starts working properly confirmed by yellow led.

If blower is switched, it is possible to get better ionization results, and duration to discharge the sample is lowered.



N.B. If the sample can be easily lifted, switch off the blower.

8 Applications

THE USE OF THE IONISER IS INTENDED ONLY IN COMBINATION WITH ELETRONIC BALANCES

- Discharge of solid bodies or weighing container.
- Discharge of powder samples (attention in case of toxic material)
N.B: if the sample can be easily lifted, switch off the blower.
- Discharge of weighing instrument: wind shield and weighing containers.

Direct the ionizer towards the balance to discharge it from possible electrostatic charges placed on glasses or plastic parts



9 Device maintenance

1. Keep ions source clean, keep holes placed on front part of the ioniser clean.
2. Keep vacuum fan clean.
3. Pay attention so that no liquids enter into the device and dry with a soft, dry cloth.

10 Technical service

Web Resources

Visit the VWR's website at www.vwr.com for:

- Complete technical service contact information
- Access to VWR's Online Catalogue, and information about accessories and related products
- Additional product information and special offers

Contact us For information or technical assistance contact your local VWR representative or visit. www.vwr.com.

11 Warranty

VWR International warrants that this product will be free from defects in material and workmanship for a period of two (2) years from date of delivery. If a defect is present, VWR will, at its option and cost, repair, replace, or refund the purchase price of this product to the customer, provided it is returned during the warranty period. This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication, or from ordinary wear and tear. If the required maintenance and inspection services are not performed according to the manuals and any local regulations, such warranty turns invalid, except to the extent, the defect of the product is not due to such non-performance.

Items being returned must be insured by the customer against possible damage or loss. This warranty shall be limited to the aforementioned remedies. IT IS EXPRESSLY AGREED THAT THIS WARRANTY WILL BE IN LIEU OF ALL WARRANTIES OF FITNESS AND IN LIEU OF THE WARRANTY OF MERCHANTABILITY.

12 Compliance with local laws and regulations

The customer is responsible for applying for and obtaining the necessary regulatory approvals or other authorizations necessary to run or use the Product in its local environment. VWR will not be held liable for any related omission or for not obtaining the required approval or authorization, unless any refusal is due to a defect of the product.

13 Equipment Disposal



If package is no longer used, it can be delivered to local waste disposal centre. Package is entirely made of non-polluting materials, recyclable as valuable source of secondary raw materials. Throw them into proper collection boxes. In case of device scrapping please apply to local authorities.

Thank you

Austria

VWR International GmbH
Graumannsgasse 7
1150 Wien
Tel.: 01 97 002 0
Fax: 01 97 002 600
E-mail: info@at.vwr.com

Belgium

VWR International bvba
Researchpark Haasrode 2020
Geldenaaksebaan 464
3001 Leuven
Tel.: 016 385 011
Fax: 016 385 385
E-mail: customerservice@be.vwr.com

Czech Republic

VITRUM VWR s. r. o.
a VWR International Company
Pražská 442
CZ - 281 67 Stříbrná Skalice
Tel.: +420 321 570 321
Fax: +420 321 570 320
E-mail: info@cz.vwr.com

Denmark

VWR - Bie & Berntsen
Transformervej 8
2730 Herlev
Tel.: 43 86 87 88
Fax: 43 86 87 90
E-mail: info@dk.vwr.com

Finland

VWR International Oy
Valimotie 9
00380 Helsinki
Tel.: 09 80 45 51
Fax: 09 80 45 52 00
E-mail: info@fi.vwr.com

France

VWR International S.A.S.
Le Périgares – Bâtiment B
201, rue Carnot
94126 Fontenay-sous-Bois cedex
Tel.: 0 825 02 30 30 (0,15 € TTC/min)
Fax: 0 825 02 30 35 (0,15 € TTC/min)
E-mail: info@fr.vwr.com

Germany

VWR International GmbH
Hilpertstraße 20a
D - 64295 Darmstadt
Freecall: 0800 702 00 07
Fax: 0180 570 22 22*
Email: info@de.vwr.com
*0,14 €/Min. aus d. dt. Festnetz

Hungary

VWR International Kft.
Simon László u. 4.
4034 Debrecen
Tel.: (52) 521-130
Fax: (52) 470-069
E-mail: info@hu.vwr.com

Ireland / Northern Ireland

VWR International Ltd /
VWR International (Northern Ireland) Ltd
Orion Business Campus
Northwest Business Park
Ballycoolin
Dublin 15
Tel.: 01 88 22 222
Fax: 01 88 22 333
E-mail: sales@ie.vwr.com

Italy

VWR International PBI S.r.l.
Via San Giusto 85
20153 Milano (MI)
Tel.: 02-3320311/02-487791
Fax: 800 152999/02-40090010
E-mail: info@it.vwr.com
info@internationalpbi.it

The Netherlands

VWR International B.V.
Postbus 8198
1005 AD Amsterdam
Tel.: 020 4808 400
Fax: 020 4808 480
E-mail: info@nl.vwr.com

Norway

VWR International AS
Haavard Martinsens vei 30
0978 Oslo
Tel.: 02290
Fax: 815 00 940
E-mail: info@no.vwr.com

Poland

VWR International Sp. z o.o.
Limbowa 5
80-175 Gdansk
Tel.: 058 32 38 200 do 204
Fax: 058 32 38 205
E-mail: labart@pl.vwr.com

Portugal

VWR International -
Material de Laboratório, Lda
Edifício Neopark
Av. Tomás Ribeiro, 43- 3 D
2790-221 Carnaxide
Tel.: 21 3600 770
Fax: 21 3600 798/9
E-mail: info@pt.vwr.com

Spain

VWR International Eurolab S.L.
C/ Tecnología 5-17
A-7 Llinars Park
08450 - Llinars del Vallès
Barcelona
Tel.: 902 222 897
Fax: 902 430 657
E-mail: info@es.vwr.com

Sweden

VWR International AB
Fagerstagatan 18a
163 94 Stockholm
Tel.: 08 621 34 00
Fax: 08 621 34 66
E-mail: kundservice@se.vwr.com

Switzerland

VWR International GmbH
Lerzenstrasse 16/18
8953 Dietikon
Tel.: 044 745 13 13
Fax: 044 745 13 10
E-mail: info@ch.vwr.com

Turkey

Pro Lab Laboratuvar Teknolojileri Ltd.Şti.
a VWR International Company
Orta Mah. Cemal Gürsel Caddesi
Ördekcioglu İşmerkezi No.32/1
34896 Pendik - İstanbul
Tel.: +90216 598 2900
Fax: +90216 598 2907
Email: info@pro-lab.com.tr

UK

VWR International Ltd
Customer Service Centre
Hunter Boulevard - Magna Park

Lutterworth
Leicestershire
LE17 4XN
Tel.: 0800 22 33 44
Fax: 01455 55 85 86
E-mail: uksales@uk.vwr.com

Australia

VWR International, Pty Ltd.
Unit 1/31 Archimedes Place
Murarrie, Queensland 4172
Tel.: 1300 727 696
Fax: 1300 135 123

China

VWR (Shanghai) Co., Ltd
2nd Floor, Building 4,
Lane 998, Halei Rd,
Zhangjiang Hi-tech Park
Shanghai, 201203
Tel.: +86-21-5898 6888
Fax: +86-21-5855 8801
E-mail: info_china@vwr.com

India

VWR Lab Products Private Limited
135/12, Brigade Towers, 2nd Floor
Front wing, Brigade Road,
Bengaluru, India – 560 025
Tel.: +91-80-41117125/26 (Bengaluru)
Tel.: +91-2522-647911/922 (Mumbai)
Fax: +91-80-41117120
E-mail: vwr_india@vwr.com

New Zealand

Global Science - A VWR Company
241 Bush Road
Albany 0632, Auckland
Tel.: 0800 734 100
Fax: 0800 999 002
E-mail: sales@globalscience.co.nz

Singapore

VWR Singapore Pte Ltd
18 Gul Drive
Singapore 629468
Tel.: +65 6505 0760
Fax: +65 6264 3780
E-mail: sales@sg.vwr.com

GO TO VWR.COM FOR THE
LATEST NEWS, SPECIAL OFFERS
AND DETAILS OF YOUR LOCAL
VWR DISTRIBUTOR
