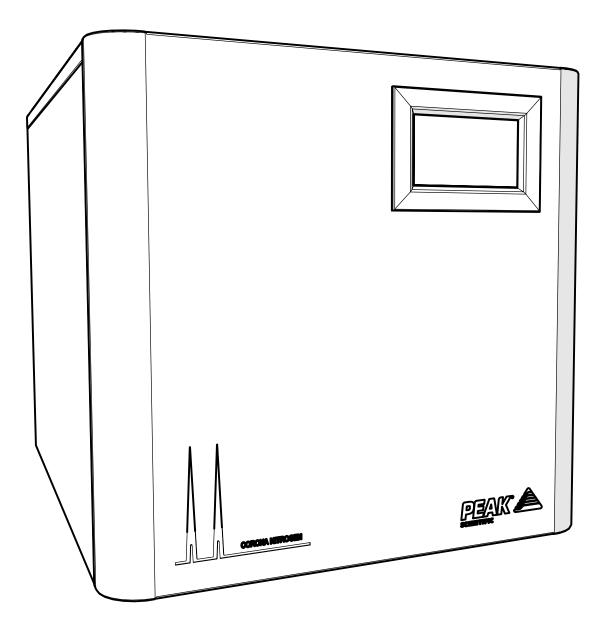
# Corona 1010A

User Manual





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### **Change History**

Rev	Comment	Name	Date
1	Initial Release	D.lai	22/12/22
2	Update to fittings kit	L. Couttie	25/05/23
3	Declarations Update	L. Couttie	29/06/23

#### How to use this Manual

This manual is intended for end users and has been written as a reference document where you can skip to the relevant information.

Users can refer to the contents page to find the relevant information.

Please review each of the following sections carefully.

Thank you for selecting Peak Scientific to meet your gas generation needs, and should you require any further assistance or support please do not hesitate to contact Peak Scientific or the Peak Partner from which you purchased your generator.

#### Introduction

The Corona 1010A is a single compressor-controlled Nitrogen generator which uses membrane separation to produce Nitrogen at 98% purity at 5LPM & 80 psi.

Features include:

- Compact design
- Product developed in conjunction with Thermo Fisher.
- Touch screen technology for ease of operation and observation

To ensure these generator models meet our high expectations with regards to reliability and performance, we have tested them extensively at our manufacturing plant and with end users around the world to ensure reliability and longevity of the system.

### Warranties and Liabilities

- 1. The Company warrants that it has title to the Goods.
- 2. Subject to the provisions of this clause the Company warrants that the Goods shall comply in all material respects with any specification referred to in the Order Confirmation (as the same may be amended) and shall, subject thereto, be free from defects in material and workmanship for the lesser of a period of twelve months from the date of delivery or thirteen months from the date of dispatch from the factory.
- 3. Save as provided in this clause and except where the Goods are sold to a person dealing as a consumer (within the meaning of the Unfair Contract Terms Act 1977) all warranties, conditions or other terms implied by statute or common law are hereby expressly excluded save to the extent they may not be lawfully excluded. When the Goods are sold to a consumer within the meaning of the Unfair Contract Terms Act 1977 their statutory rights are not affected by the provisions of this clause.
- 4. In the event of the Customer making a claim in respect of any defect in terms of clause 2 hereof the Customer must.

1. Reasonably satisfy the Company that the Goods have been properly installed, commissioned, stored, serviced and used and without prejudice to the generality of the foregoing that any defect is not the direct or indirect result of lack of repair and/or servicing, incorrect repair and/or servicing, use of wrong materials and/or incorrect spare parts

2. Allow the company to inspect the Goods and/or any installation and any relevant packaging as and when reasonably required by the Company.

- 5. Subject to the Company being notified of any defect as is referred to in subclause 2 hereof within a reasonable time of it becoming apparent and subject always to the terms of sub-clause 4 hereof, the Company shall, in its option, replace or repair the defective Goods or refund a proportionate part of the Price. The Company shall have no further liability to the Customer (save as mentioned in sub-clause 6 hereof).
- 6. The Company shall be liable to indemnify the Customer in respect of any claim for death or personal injury to any person in so far as such is attributable to the negligence or breach of duty of the Company or any failure by the Company to comply with the provisions of sub-clause 2 hereof.
- 7. Save as provided in sub-clause 2 hereof the Company shall not be liable in respect of any claim by the Customer for costs, damages, loss or expenses (whether direct, indirect, consequential or otherwise) or indemnity in any respect howsoever arising including, but not by way of limitation, liability arising in negligence (other than pursuant to clause 6 above) that may be suffered by the Customer or any third party.

### **Safety Notices**

Peak Scientific Instruments cannot anticipate every possible circumstance which may represent a potential hazard. The warnings detailed within this manual refer to the most likely potential hazards, but by definition cannot be all inclusive. If the user employs an operating procedure, item of equipment or a method of working which is not specifically recommended by Peak Scientific, the user must ensure that the equipment will not be damaged or become hazardous to persons or property.

#### Symbols

This manual uses the following symbols to highlight specific areas important to the safe and proper use of the generator.

WARNING	A WARNING notice denotes a hazard. It calls attention to an operating procedure, process or similar, which if not correctly performed or adhered to, could cause personal injury or in the worst case death. Do not proceed beyond a WARNING notice until the indicated conditions are fully understood or met.
CAUTION	A CAUTION notice denotes a hazard. It calls attention to an operating procedure, process or similar, which if not correctly performed or adhered to, could cause damage to the generator or the application. Do not proceed beyond a CAUTION notice until the indicated conditions are fully understood or met.
<u>í</u>	Caution, risk of electric shock. Ensure power to the generator has been removed before proceeding.

#### Safety Notice to Users



These instructions must be read thoroughly and understood before installation and operation of your Peak Generator. Use of the generator in a manner not specified by Peak Scientific MAY impair the SAFETY provided by the equipment.



When handling, operating or carrying out any maintenance, personnel must employ safe engineering practices and observe all relevant local health and safety requirements and regulations. The attention of UK users is drawn to the Health and Safety at Work Act 1974, and the Institute of Electrical Engineers regulations.



If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment maybe impaired.

### **EU Declaration of Conformity**

We Peak Scientific Instruments Ltd.

Of Fountain Crescent, Inchinnan, Renfrewshire, PA4 9RE

Hereby declare that, this declaration of conformity is issued under the sole responsibility of the manufacturer.

Equipment Type:	Nitrogen Generator
Model Designator:	Corona 1010A Generator 120V & 220-240V

To which this declaration relates, is in conformity with the following applicable EU Directives, harmonized standards, and other normative requirements.

- Low Voltage Directive 2014/35/EU EN61010-1:2010/A1:2019 Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use.
- Electromagnetic Compatibility Directive 2014/30/EU
   EN61326-1:2021 Electrical Equipment for Measurement, Control and Laboratory Use
   EMC Requirements. (Class A)
- Restriction on the use of certain hazardous substances in electronic equipment (RoHS) Directive 2011/65/EU as amended by EU 2015/863.

Signed for and on behalf of Peak Scientific by

Signed:

Julian

Name: Fraser Dunn

Position: Design Engineering Manager Peak Scientific Instruments Itd, Inchinnan, Renfrew, Scotland, PA4 9RE, UK. Date: 19 April 2023

CE

### **UK Declaration of Conformity**

We Peak Scientific Instruments Ltd.

Of Fountain Crescent, Inchinnan, Renfrewshire, PA4 9RE

Hereby declare that, this declaration of conformity is issued under the sole responsibility of the manufacturer.

Equipment Type:	Nitrogen Generator
Model Designator:	Corona 1010A Generator 120V & 220-240V

To which this declaration relates, is in conformity with the following applicable UK Statutory Instruments, Standards and other normative requirements.

- The Electrical Equipment (Safety) Regulations 2016 (SI 2016 / 1101) as amended. BS61010-1:2010/A1:2019 Safety Requirements for Electrical Equipment for Measurement Control and Laboratory Use.
- The Electromagnetic Compatibility Regulations 2016 (SI 2016 / 1091) as amended. BS61326-1:2021 Electrical Equipment for Measurement, Control and Laboratory Use – EMC Requirements.
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (SI 2012 / 3032) as amended.

Signed for and on behalf of Peak Scientific by

Signed:

Name: Fraser Dunn

Position: Design Engineering Manager Peak Scientific Instruments Itd, Inchinnan, Renfrew, Scotland, PA4 9RE, UK. Date: 19 April 2023



#### **WEEE Compliance Statement**

The Waste Electrical and Electronic Equipment (WEEE) Regulations SI 2013 No 3113 and or the Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU apply to all electrical and electronic equipment placed on the market in the UK and EU covered by the scope of regulations which can be found in the Government Guidance Notes (PDF) produced by the Department for Business Innovation and skills for the UK and here for Europe.

All PEAK products that are subject to the WEEE directive are compliant with the WEEE marking requirement. Such products are marked with the "crossed-out wheelie bin" symbol (shown below) in accordance with European standard EN50419. All old electrical equipment can be recycled. Please do not dispose of any electrical equipment (including those marked with this symbol) in general rubbish bins. Please contact your dealer or distributor for clarity.



### **CSA Compliance Statement**

CSA Group (Canadian Standards Authority) is a Nationally Recognised Testing Laboratory (NRTL), headquartered in Toronto Canada.

They are authorised to evaluate product to both their own and Underwriters Laboratory (UL) standards and certify the product to be in compliance to the relevant standards.

Peak products are certified to the current in force revision of the following standards in order to cover both Canadian and United States requirements for "Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory use, Part 1: general Requirements".

Canada: CAN/CSA C22.2 No 61010-1-12

United States: UL 61010-1

As a result the products covered by this statement are certified and listed by CSA accordingly and are entitled to carry the CSA mark with both Canadian and United States subscripts, as shown below on the product rating label.



### **EMC Class A Compliance Statements**

# European Union (EU) and United Kingdom (UK) Class A Compliance statement

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

#### **FCC Class A Compliance Statement**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



#### Industry Canada Class A emission compliance statement

This ISM device complies with Canadian ICES-001 (A).

Cet appareil ISM est conforme à la norme NMB-001 (A) du Canada.

#### Korea Communications Commission (KCC) statement

### 이 기기는 업무용(A급)으로 전자파적합기기로 서 판매자 또는 사용자는 이 점을 주의하시기 바라며, 가정외의 지역에서 사용하는 것을 목 적으로 합니다.

(This is electromagnetic wave compatibility equipment for business (Type A). Sellers and users need to pay attention to it. This is for any areas other than home.)

### **Technical Specification** Corona 1010A

Environment

	Corona 1010A
Minimum Operating Ambient Temperature	5°C / 41°F
Maximum Operating Ambient Temperature	35°C / 95°F
Maximum Altitude	2000m
Maximum Relative Humidity	80%
Minimum Storage Temperature*	-20°C / -4°F
Maximum Storage Temperature*	60°C / 140°F

#### **Generator Outlets**

Max Gas Outlet Pressure	80 psi / 5.52 bar
Max Gas Outlet Flow Rate	5 L/min
Purity	Up to 98%
Particles	<0.01ym
Phthalates	Phthalate & BHT Free
Suspended Liquids	None
Gas Outlets	1 x ¼" BSPP Female
Drain Outlet	1 x ¼" BSPP Female
Pressure Gauges/Displays	1
Start-Up Time	5 mins
Time to Purity	5 mins

#### **Electrical Requirements**

Voltage	120V±5% / ~220-240V ±10%	
Frequency	120V 60Hz / ~220-240V 50/60Hz	
Current	5.2A @ 120V / 2.3-2.7A @ ~220-240V	
Input Connection	C14 Plug	
Power Cord	C13 Socket	
Circuit Breakers	C6 & D6	
Pollution Degree	2	
Instillation Category / Transient Over Voltage	Category II	

#### General

Dimensions cm (inches) WxDxH	406 x 417 x 540 mm (16 x 16.4 x 21.3 ")
Generator Weight Kg (lbs)	31.5 (69.5)
Shipping Weight Kg (lbs)	46 (101.5)

### Unpacking

Although Peak Scientific takes every precaution with safe transit and packaging, it is advisable to fully inspect the unit for any sign of transit damage.

Check 'SHOCKWATCH' and 'TIP-N-TELL' labels for signs of rough handling prior to unpacking.



Any damage should be reported immediately to the carrier and Peak Scientific or the Peak Partner from where the unit was purchased.

Follow the unpacking instructions posted on the side of the crate. It will require two people to remove the unit from the shipping crate and to manoeuvre the generator onto the bench.

Please save the product packaging for storage or future shipment of the generator.

Note: Included with the generator is a "Fittings Kit" containing mains power leads for UK, EU & US and also all the required fittings and warranty registration card. Be careful not to discard these with the packaging.

#### Units may be shipped without some or all of the above labels due to customer request.

### **Fittings Kit Contents**

Supplied in the Fittings Kit are all the fittings required to connect the generator to the application. The contents of the Fittings Kit are as follows:

1.	Teflon Tubing 1/4"	x 3m
2.	PE Tubing 6mm	x 3m
3.	<sup>1</sup> / <sub>4</sub> " Compression Fitting	x 2
4.	Tube insert OD 6mm ID 4mm	x 2
5.	6mm push fit straight	x 2
6.	2.5mm Hex Key	x 1
7.	UK Mains Power Cable	x 1
8.	EU Mains Power Cable	x 1
9.	US Mains Power Cable (220-240V)	x 1
10	. US Mains Power Cable (120V)	x 1

All of the generator output ports are located on the output panel at the rear of the unit.

#### **Unpacking Instructions**

The unit weight constitutes a two person lift and as such, safe lifting practices should be employed; do not attempt to lift on your own, as you will significantly increase the chance of injury & damage to yourself and others around you.

- 1. Remove the plastic banding and remove the cardboard lid and sleeve.
- 2. Next, with someone on either side of the unit, position your hands underneath the unit ready to lift.
- 3. Ensuring your knees are bent and your back is straight, lift the unit to the desired location.

### Installation

#### **Generator Environment**

The generator is designed for indoor use only. It should be installed adjacent to the application(s) it is supplying. If this is not convenient then the unit can be sited elsewhere, however, consideration should be made of the lengths of pipe runs as pressure drops can result from extended runs of pipe.

Performance of the generator (like all sophisticated equipment) is affected by ambient conditions. Note should also be taken to the proximity of Air Conditioning outlets. These can sometimes give rise to "pockets" of air with high relative humidity. Operation of the unit within such a pocket could adversely affect its performance.

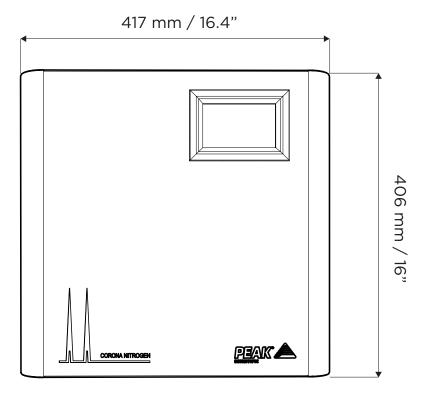
Consideration should also be given to the air flow around the unit. It is recommended that an air gap of 75mm (3") should be maintained down both sides and at the rear of the unit. Please refer to the drawing below for the general dimensions of the unit.

Please ensure Generator is situated in a well-ventilated environment and is positioned to allow easy disconnection from the mains supply if required

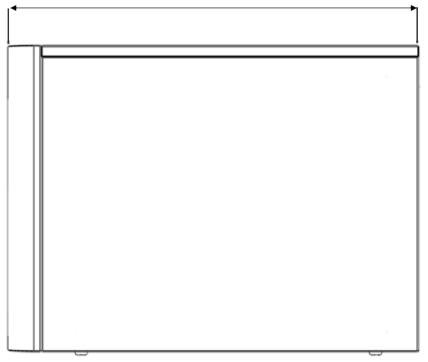
Minimum Operating Ambient Temperature:	5 °C (41 °F)
Maximum Operating Ambient Temperature:	35 °C (95 °F)

#### **Generator Overview**

#### **Corona 1010A General Dimensions**



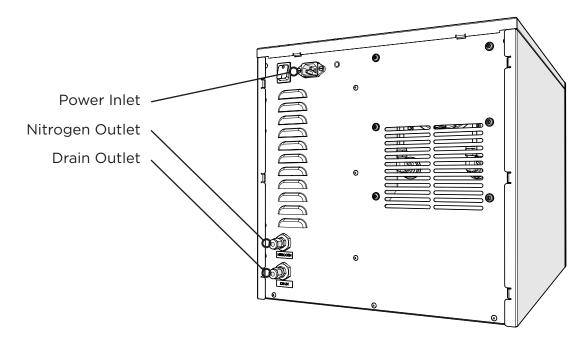
540 mm / 21.3"





The generator must always be placed on a flat, level surface. Failure to do so will affect the performance of the generator.

#### **Corona 1010A Rear Connections**





Ensure all inlets and outlets are connected to correct sources and applications



All Connections should only be carried out by trained personnel



Generator must be switched off and unplugged prior to any cleaning or maintenance operations

### **Electrical Connection**

Connect the generator into an appropriate electricity supply, between either 120V or 220V-240V. Refer to the generator serial plate for input specification and ensure your supply matches the requirements.

If an appropriate mains power cords is not supplied or a substitute one is used then ensure that all components of it the plug, cord and connector have adequate ratings for the generator and appropriate approvals for the country of use. Failure to do so could cause damage to the generator or risk overloading of the power cord



This unit is classified as SAFETY CLASS 1. THIS UNIT MUST BE EARTHED. Before connecting the unit to the mains supply, please check the information on the serial plate. The mains supply must be of the stated AC voltage and frequency.

EARTH/GROUND (E):-	Green & Yellow	or	Green
LIVE (L):-	Brown	or	Black
Neutral (N):-	Blue	or	White

Electrical requirements are nominal +/- 10% depending on chosen model. Extended periods at extremes can have a detrimental effect on the operation and life of the generator.



If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment maybe impaired.

### **Connecting to the application**

Attach the ¼" compression fitting to the outlet of the generator. Using the ¼" tubing supplied, connect the outlet of the generator to the inlet on the application.

If you require more tubing than is supplied please refer to the Tubing Lengths section.



Once the tubing is connected to the application, please ensure that it is thoroughly checked for being leak-tight. Even the slightest leak in the gas supply between the generator and the application can lead to a reduction in efficiency.

#### **Tubing Lengths**



The diameter of the tubing which will be connected to the gas outlet is important and is determined by the length of tubing required. Failure to follow these recommendations could lead to pressure between.

- < 10 meters: Use 1/4"/<sup>3</sup>/<sub>16</sub>" (1/4" O/D, <sup>3</sup>/<sub>16</sub>" I/D) P.T.F.E. tubing.
- > 10 40 meters: Use  $\frac{3}{8}$ "/  $\frac{5}{16}$ " ( $\frac{3}{8}$ " O/D,  $\frac{5}{16}$ " I/D). Tubing and fittings not supplied in the fittings kit.
- > 40 metres: Please contact Peak Scientific with the relevant distance and we will calculate the flow resistance and the tubing size required.

A combination of  $\frac{1}{4}^{\prime\prime}/316^{\prime\prime}$  and  $\frac{3}{8}^{\prime\prime}/516^{\prime\prime}$  tubing may be used to ensure that there is no large diameter tubing within the lab (i.e. for the first 20 meters from the generator use  $\frac{3}{8}^{\prime\prime}/516^{\prime\prime}$  and the final 10 meters to the application use  $\frac{1}{4}^{\prime\prime}/316^{\prime\prime}$  tubing). Keep the connections and bends to a minimum.

### **Product Registration**

Before the generator will start-up for the first time the user must enter a unique 4-digit PIN code.

To receive your generator's unique PIN code, please register on the Peak website **www.peakscientific.com/activate** or download the Peak mobile app from the Google Play Store or Apple App Store. A PIN code may also be requested by phoning the Peak helpdesk.

This code is only required on the initial start-up of the unit.

#### **Corona 1010A Registration**

1. Press the 'I've got my pin' button on the screen on the front of the generator.



2. Enter your **PIN**.



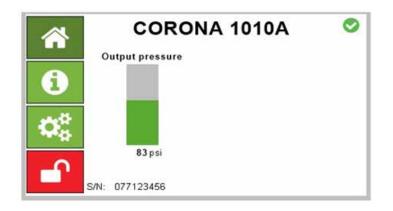
3. Restart the unit



4. The unit will then go through **initialisation phase**.



5. Upon completion of the initialisation phase, the screen will display the below, home screen.



### **Normal Operation**

The Corona 1010A Generator is designed specifically to minimize operator involvement.

Given that the system is installed as described in earlier sections and is serviced in accordance with the specified maintenance recommendations (see Service Requirements), then it should simply be a matter of turning the generator on when it is required.

The generator will automatically produce the factory set flow and pressure of Nitrogen gas as detailed in the Technical Specifications and as required by the Corona 1010A Nitrogen generator.

#### **On Demand Gas**

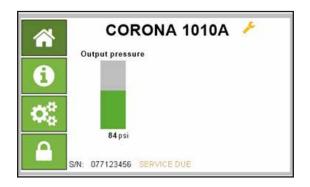
The Corona 1010A will start and stop the compressor automatically detected by how much gas the user is using.

If the user stops using the gas, the compressor will stop and enter a standby mode. Once the user starts to take the gas, the compressor will start up again to produce the Nitrogen on demand.

### **Unusual Operation**

If at any time the generator begins to emit excessive noise or vibration, then it should be switched off and you should contact Peak Scientific or the Peak Partner from which the unit has been purchased.

#### **Service Screens**



#### Service Due Home Screen Warning

This is the main home screen when a service is due displaying a yellow service warning.

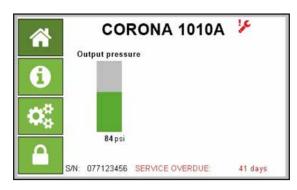
The screen will alternate between the home screen and a full screen warning as shown next.



#### Service Due Warning Screen

This is the full screen warning when service is due.

The Confirm button returns the user to the home screen.



### Confirm SERVICE OVERDUE CONTACT YOUR LOCAL SERVICE REPRESENTATIVE OR VISIT WWW.PEAKSCIENTIFIC.COM SERIAL: 771047360

#### Service Overdue Home Screen Warning

This is the main home screen when a service is overdue displaying a red service warning.

The screen shows the date on which the service was due.

The screen will alternate between the home screen and a full screen warning as shown next.

#### Service Overdue Warning Screen

This is the full screen warning when service is overdue.

The Confirm button returns the user to the home screen.

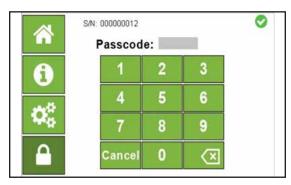
### **Information Screens**



#### System Info Screen

Displays System Info.

#### Service Log-in Screen



#### Service Log-in Screen

Allows the Peak Approved Engineer access to the Corona 1010A's service menus.

### **Service Requirements**

#### Service Schedule

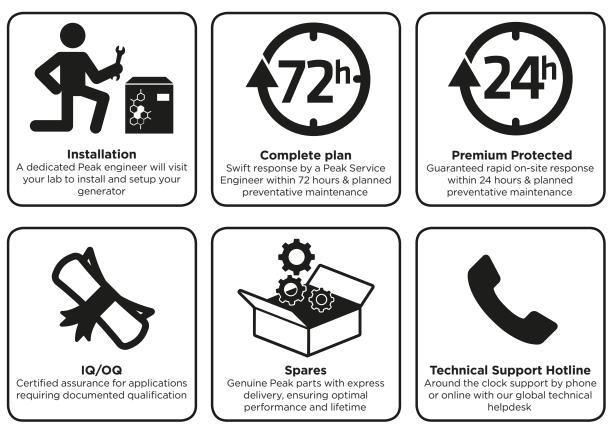
Purchase Interval	Component	Qty.	Visit
12 months	Corona 1010A Annual Service Kit	1	
48 months	Corona 1010A 4 Year Service Kit - 120V	1	www.peakscientific.com/ ordering
46 11011015	Corona 1010A 4 Year Service Kit – 220-240V	1	

\*On the 4th annual service of your Corona 1010A generator, the compressor needs to be replaced, this is contained within the 48 month service kit.

Please contact your service provider for more information.

### **Peak Protected**

With Peak Scientific you invest in not only a product but peace of mind. With a network of certified Peak engineers stationed throughout the globe, Peak's rapid response team are never far away and our commitment is to keep your generator running day in, day out, protecting your laboratory workflow.



### [Peak Protected] can provide...

To find out more about protecting your investment visit: www.peakscientific.com/protected

### Cleaning

Clean the outside of the generator only using warm soapy water and a clean damp cloth. Ensure all excess fluid is thoroughly removed from the cloth prior to use.



Cleaning should only be undertaken with the power switched off and the power cord removed from the rear of the generator.



Under no circumstances should any solvents or abrasive cleaning solutions be used as these can contain fumes that could be harmful to the generator.



Care should be taken with Leak Detections Liquids.

### Troubleshooting

Problem	Possible Solution				
	• Ensure power cord is plugged into the generator and that the power socket is turned on.				
The generator will not switch on and the	Check the fuse in the power cord plug.				
power switch does not illuminate.	Try an alternative power socket.				
	Contact your service provider.				
The generator will not switch on, but the power switch is illuminated.	<ul> <li>Disconnect power cord from the rear of the generator. Open the right-hand panel and check that the circuit breakers are turned on (switch in the up position). Reconnect power cord.</li> <li>Contact your service provider.</li> </ul>				
Compressor is running but pressure is not building.	• Contact your service provider.				
Service Due indicator is illuminated on the HMI.	<ul> <li>The compressor is due for service. Contact your service provider.</li> <li>Refer to Service Indication section of this manual for further information.</li> </ul>				
Service Overdue indicator is illuminated on the HMI.	<ul> <li>The compressor is overdue for service. Contact your service provider urgently.</li> <li>Refer to Service Indication section of this manual for further information.</li> </ul>				

## **Go Online or Complete and Return**

We know that registering any of your recently purchased products is not the first thing on your mind- but it is very important to both of us. Not all warranties are alike and Peak Scientific stand out against other gas suppliers as we offer a comprehensive, quick response, on-site warranty. This means that in the very unlikely case that your gas generator develops a fault we have rapid support teams on-hand around the world who are able to come to your lab and get you back up and running in no time.

Register for your **comprehensive 12 month on-site warranty** with ease online at www.peakscientific.com/protected.

Alternatively, you can send the completed form to Peak Scientific by post or email at warranty@peakscientific.com.

You can register for your FREE www.peakscientific/protected	complete and Re	online at	$\rightarrow$		
email at warranty@peakscient		and by post of	•		
Product	Warranty Registration				
Contact name					
Email address					
Company					
Address					
City/town					
Postcode					
Country					
Telephone					
Generator serial #					
Model type					
Installation date					
Do you still use an alternative gas solution i.e. cylinders or bulk liquid?	Yes No				
What gas requirements do you have in your lab?	Hydrogen Nitrogen	Zero Air			
Peak [Protected] aftercare su 72 hours*, genuine parts from o fix rate. See our enclosed Pea Important! You have I month to register your Peak the warranty will be honoured for a per generator, you must notify Peak Scient	ensive gas generator after sales pport can guarantee an on-site our ISO9001 approved factory a k [Protected] leaflet for further scientific product from the date of inter- did fit month. If you with to soler the fire immediately by emailing warentyping after Immediately by emailing warentyping	response within nd a 95% first-time information. Illation. Once registered installation of your eskscientific.com.	<b>→</b>		

#### Important!

You have **1 month to register** your Peak Scientific product from the date of installation. Once registered the warranty will be honoured for a period of 12 months. If you wish to defer the installation of your generator, you must notify Peak Scientific immediately by emailing **warranty@peakscientific.com**. For generators that remain unregistered after 1 month from the shipment date, the warranty will be considered active from the date of factory dispatch.

# **[PEAK** Protected]<sup>™</sup>

Peak Scientific has highly trained, fully certified Field Service Engineers located in over 20 countries across every continent around the world. This allows us to provide an industry-leading rapid response service to our customers. With **[Peak Protected]**, your laboratory's productivity becomes our top priority.

To discuss Peak Protected generator cover and payment options speak to your local Peak Representative or for further information contact: **protected@peakscientific.com** 

#### **Peak Scientific**

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For further information on any of our generator products please contact **marketing@peakscientific.com** 



Corona 1010A User Manual Rev 3 RSID 4872 EN 29/06/23