

# Colony Counter “PETRI-LIGHT” -

Code n. 7214

## INSTRUCTIONS MANUAL

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# INSTRUCTIONS MANUAL

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## READ CAREFULLY THIS HANDBOOK

### SAFETY INSTRUCTIONS

- Use the device just for the indicated purposes.
- The Device must be correctly installed according to the instructions, before starting any operation.
- Never disconnect the device by pulling electrical cable from the socket; .
- Replace immediately electrical cable when damaged ; never use a damaged or worn electrical cable.
- On removing the item connected to the electrical system pay attention to the electrical connection cable
- Always disconnect from electrical system on:
  - A. Repairing or maintenance; these operations must be carried out by qualified staff;
  - B. Cleaning the unit;
  - C. Use original spare parts and accessories for any replacement;
- Do not use this device in the presence of gaseous explosive.

## INSTALLATION GENERAL CAUTION

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CAUTION

When the electrical system socket is not compatible with device socket, replace it paying attention to codified cable colours.



CAUTION

Be aware that the voltage and frequency of the electrical system are compatible with device.

The device must be connected to a ground wire. For any question please contact an electrician.



CAUTION

Before starting-up the device be sure that ventilation grids are totally free to operate and not covered by any barriers.

# INDEX

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<b>1. General Description</b> .....	pg. 4
<b>2. Installation</b> .....	pg. 4
<b>3. Controls</b> .....	pg. 4
<b>4. Operation</b> .....	pg. 4
<b>5. Spare Parts</b> .....	pg. 5
<b>6. Wiring Diagram</b> .....	pg. 5

# 1. GENERAL DESCRIPTION

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The "PETRI-LIGHT" Colony Counter is specially suited to easily count bacteria colonies in the various type of Petri dishes now in the market. Special ring adaptors allow the centering of the dish in the instrument.

The illuminating system is optimized to produce a lateral light to the Petri dish.  
It is also provided a magnifying lens to help counting very small colonies.

## 2. INSTALLATION

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Before connecting the instrument to the power supply, be sure that:

- a) Power line is single phase A.C. 50 Hz/ 220 V
- b) The heart connection is good

If the main plug need to be changed, the connections must be as follows:

wire	connected to
yellow/green	Hearth
blu	Neutral
brown	Phase

- c) The electrical cable must be connected to the socket with a fuse or thermal magnetic protection (30mA)

In case of any doubt ask to the service engineer.

## 3. CONTROLS

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### **Main switch**

It is located on the rear of the instrument. When turned ON the lamp is ON.

### **Fuse**

It is on the rear of the instrument, near the main switch.

## 4. OPERATION

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Turn on the instrument. The lamp is on.

Place the Petri dish to be counted in the centre of the instrument, using if needed the centering plastic disc.

With a "Colony-Count" marker-pen (Code: 14800) push the Petri dish cover where a colony is to be counted.

## 5. SPARE PARTS

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64184	Fluorescent light
64288	Reactor
64206	Starter
64231	Lamp support
64210	Power cord
73108	Magnifying lens
67116	Socket with fuse and switch

## 6. WIRING DIAGRAM

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Pos. 1	Fuses 1A	code 67037
Pos. 2	On Off swich	code 67116
Pos. 3	Noise filter	code 53054
Pos. 4	Capacitor	code 64175
Pos. 5	Reactor	code 64288
Pos. 6	Starter	code 64206
Pos. 7	Fluorescent lamp	code 64184

**To the attention of: Technical department International PBI S.p.A.  
Via Novara, 89 - 20153 - Milano - Tel + 39 02/48.779.1-Fax +39 02/400.900.10**

**AUTHORISATION RETURN NUMBER TO BE ASKED TO THE EXPORT DPT**

Company:		
Address:		
City:		Zip Code
State:		
Phone	Fax	Email
Name to contact:		
Lab/Division:		
<input type="checkbox"/> <b>return</b>		<input type="checkbox"/> <b>request of technical service</b>
Equipment:		
Model		Serial Number:
for <input type="checkbox"/> <b>calibration</b>	<input type="checkbox"/> <b>repair</b>	<input type="checkbox"/> <b>other (specify)</b>
<b>NOTE OF MALFUNCTIONING</b>		
<input type="checkbox"/> ELECTRICAL PART		
<input type="checkbox"/> ELECTRONICAL PART		
<input type="checkbox"/> MECHANICAL PART		
<input type="checkbox"/> HYDRAULICS PART		
NOTES:		
<p><b>ATTENTION: THE INSTRUMENT MUST BE SENT TO INTERNATIONAL PBI C/O STATIM VIA SAN GIUSTO 85 20153 MILANO ITALY</b></p>		
SIGNATURE	NAME	DATE

Mod. PQ09.9

**SCHEDA DI BONIFICA PER LA MANUTENZIONE, RIPARAZIONE O TARATURA DI STRUMENTI DA LABORATORIO / DECONTAMINATION FORM: LABORATORY INSTRUMENT DECONTAMINATION PROCEDURE**



Una fonte unica di approvvigionamento per il laboratorio

**IMPORTANTE! / WARNING**

**LO STRUMENTO NON VERRA' ACCETTATO QUALORA INVIATO PRIVO DI QUESTA SCHEDA COMPILATA IN TUTTE LE SUE PARTI / The laboratory instrument will not be accepted if this form is not completely filled in.**

**Tipo strumento/Instrument identification**

Nome/Name.....

Modello /Model.....

Cod. pbi /Pbi Catalogue No.....

N. Serie /Serial Number.....

**A. A quali delle seguenti sostanze è stata esposta esternamente o internamente questo strumento?**

*A. At which of the following products the instrument has been internally or externally exposed?*

① SANGUE, LIQUIDI BIOLOGICI, SOSTANZE PATOGENE?  
*Blood, biological fluids, pathological specimen?*

NO/No  SI/Yes

Quale? Which?.....

② ALTRE SOSTANZE POSSIBILI FONTI DI RISCHIO BIOLOGICO?  
*Other biological risk products*

NO/No  SI/Yes

Quale? Which?.....

③ SOSTANZE BIODEGRADABILI POSSIBILI CAUSE DI RISCHIO?  
*Biodegradable materials that could become a hazard?*

NO/No  SI/Yes

④ SOSTANZE CHIMICHE PERICOLOSE PER LA SALUTE / Chemicals or substances dangerous to health?

NO/No  SI/Yes

Quale? Which?.....

⑤ SOSTANZE RADIOATTIVE/Radioactive material

NO/No  SI/Yes

Indicare il tipo e la quantità di isotopi ed i controlli eseguiti per l'attività residua / Description of the contaminant material.

⑥ ALTRE SOSTANZE PERICOLOSE/ Other dangerous substances

NO/No  SI/Yes

Quale/ Which?.....

**B. Descrivere in dettaglio il tipo e la quantità delle sostanze contaminanti sopra specificate: /Description of the contaminant material**

.....

**C. Descrivere il metodo di decontaminazione utilizzato: /Description of the applied decontamination method**

.....

DICHIARO CHE LO STRUMENTO E' STATO DECONTAMINATO E CHE NON SUSSISTONO PERICOLI DA RISCHIO BIOLOGICO O RADIOATTIVO PER LE PERSONE ADDETTE AL TRASPORTO E /O ALLA SUA MANIPOLAZIONE /I declare that the laboratory instrument has been duly decontaminated and there are no biological or radioactive dangers for all the people involved in the transfer, manipulation, repair of it.

Cognome / Surname..... Nome/Name.....

Azienda / Company.....

Incarico / Position.....

Indirizzo / Address.....

CAP/Zip ..... Località / City..... Prov. Country.....

tel. .... fax .....

Data / Date..... Firma del dichiarante / Signature.....

mod. bonifica rev. 0 del 04/02/03

# WARRANTY

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## WARRANTY CONDITIONS

International PBI warrants this product to be free of defects in materials and functionality  
The repairs will be effected by International PBI or by authorized dealers as follows:

- Faulty components free replacement  
The labour is always at customer's expense
- The equipment will be sent at buyer's expenses and risk and the return will be ex-works
- This warranty does not apply to damages resulting from tampering, abnormal use and installation and does not cover transport damages
- International PBI shall not be liable for any commercial damages, whether incidental, consequential or otherwise derived from the use of instruments

## ATTENTION

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### TO OUR NEW CUSTOMER

As a user of our equipment you are covered for a 12 months guarantee for all spare parts as a result of mechanical failure of the machine during normal use. In order to provide you with first class service, it is essential for us to know all your references and which equipment you have. We kindly ask you therefore to fill in the attached guarantee and return the card to us by first class mail.

### A NOTRE NOUVEAU CLIENT

En tant que utilisateur de notre appareil vous êtes couvert par une garantie de 12 mois pour toutes pièces de recharge éventuelles résultant de défauts mécaniques en utilisation normale. Dans le but de vous fournir un service impeccable il est essentiel que nous sachions qui vous êtes, ou vous êtes situés et quel équipement vous possédez. Voudriez vous remplir cette carte de garantie et nous la retourner.

Le service PBI peut vous proposer un service d'entretien vous assurant un fonctionnement parfait rapide en cas de panne.

Votre distributeur local peut vous fournir tous renseignements au sujet de ce contrat d'entretien et des prix appliqués.

### FÜR UNSERE NEUEN KUNDEN

Für Benutzer unserer Apparate sind alle ersatzteile die sich aus mechanischen Fehlern in normalen Gebrauch ergeben., für zen Monate garantiert.

Damit wir Ihnen einem erstklassigen Service dienen können, ist es unbedingnotwendig, dass wir wissen wo Sie sind und welches Gerat Sie haben. Darum bitten wir Sie, die beiliegende Garantiekarte auszufüllen, und Sie uns per Post zuzuschicken.

PBI bietet Ihnen auch einen vorbeugenden Kundendienst, um dafür zu sorgen, dass Ihre Apparate zu allen Zeiten in Ordun sind, dass Sie regelmässig kontrolliert werden, einen Express –Krisen-Service, wenn ein Apparat ausfällt.

Ihr Verkaufs Agent hat alle Details des Service Kontraktes und kann Ihnen Preise offerieren.

### A TODOS NUESTROS NUEVOS CLIENTES

El equipo adquirido por Vd. Está garantizado por doce meses contra cualquier defecto de fabricación que pudiera producir avería durante el uso normal. Con el fin de poderle ofrecer un servicio eficiente, es esencial que sepamos su nombre o razón social, dirección y equipo adquirido. Para ello, rogamos que por favor rellene el certificado de garantía adjunto y nos lo envíe por correo certificado.

PBI también puede ofrecer un servicio postventa de mantenimiento preventivo para mantener el perfecto estado de funcionamiento de su equipo, así como ofrecerle una atención normal y un rapido servicio en el caso de que su equipo falle.

# DECLARATION OF CONFORMITY

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## **International PBI S.p.A.**

Via Novara, 89 - 20153 Milano - Italy

### **HEREBY DECLARES**

under its sole responsibility that the following product(s)

#### **“PETRI-LIGHT” Colony Counter - code: 7214**

- ◆ conform(s) with the technical requirements of the following standard(s)  
93/44/EWG – 72/23/EWG-89/336/EWG EN 61010-1  
IDF 105 ISO 2446 DIN 10310 DIN 58970

- ◆ EC Directive 2002/95/EC of the European Parliament: “Restriction of the use of certain hazardous substances” (RoHS) for electric and electronic devices

The EC RoHS Directive has been released for the restriction of the use of certain hazardous substances in electric and electronic devices and basically says that with July 1<sup>st</sup> 2006 new productions of electric and electronic devices may not contain lead, mercury, cadmium, hexavalent chromium, polypromined biphenyl (PBB), respectively polybrominated diphenylether (PBDE).

As a consequence of this EC Directive we have to introduce unleaded technology in our production and we have to make adaptations concerning the use of lead, mercury, cadmium, hexavalent chromium, PBB, PBDE according to the defined permissible values. The adaptation of our products to the RoHS conformity is confirmed.

- ◆ EC Directive 2002/96/EC of the European Parliament: “Disposal of old products”

Our products are designed and manufactured with high quality materials and components which can be recycled and reused according to the EC Directive 2002/96/EC. The user should inform himself about the separate collection system for electrical and electronic products. He should act according to the local rules and do not dispose of the old products with the normal household waste. The correct disposal of old products will help to prevent potential negative consequences for the environment and human health.

- ◆ per the provisions of 73/23/EEC, 89/336/EEC and 97/23/EEC Directives

Milan 2008



*The President  
Roberto Ligugnana*