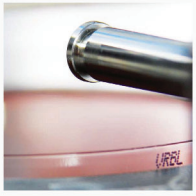
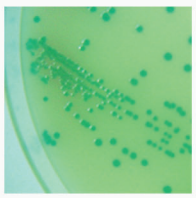
Quick Start Guide





Receiver

LABGUARD3D

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Document history

VERSION	DATE	MODIFICATIONS
A	05/11/2013	Creation

User manual - Pictograms

	Note
	Equipment optimization tip
	Prohibited action notice
	Noteworthy point warning
	Danger or potential risk warning
	Reminder of the pre-requisites for implementation of the next instructions

Labguard™ is one of bioMérieux's registered trademarks.

The information and graphs contained in this manual are not binding. bioMérieux therefore reserves the right to implement changes to the document without prior notice.

bioMérieux will not approve any modifications whatsoever to the equipment implemented by the user. bioMérieux shall under no circumstance be held liable for any direct or consequential injury or damage whatsoever suffered by the user or by any third party, as a result of modifications to the equipment.

- This equipment is for professional use only.
- Users are required to read all the accompanying documents, including the statutory information, before using the equipment.

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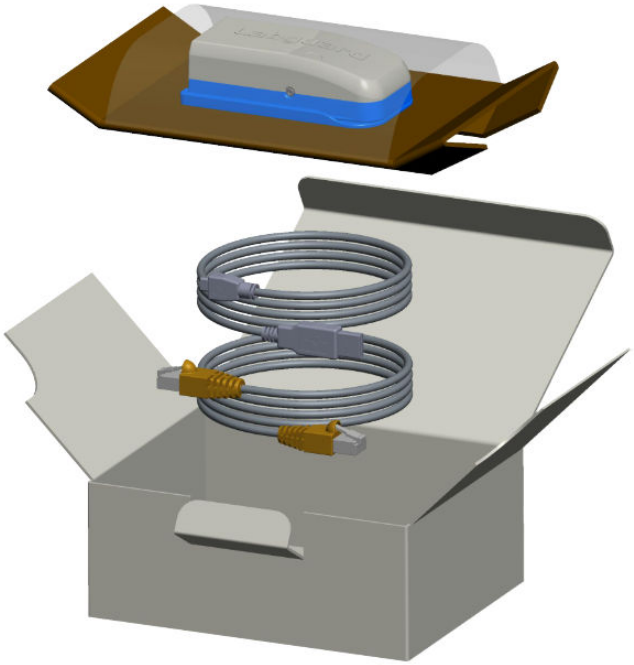
Unpacking the device



Check that the device has not been damaged during transport. Then check that all the accessories listed below are present.

Transmitter
• RJ45 cable 3 m • µUSB/USB cable 2 m • Unit • Unit support

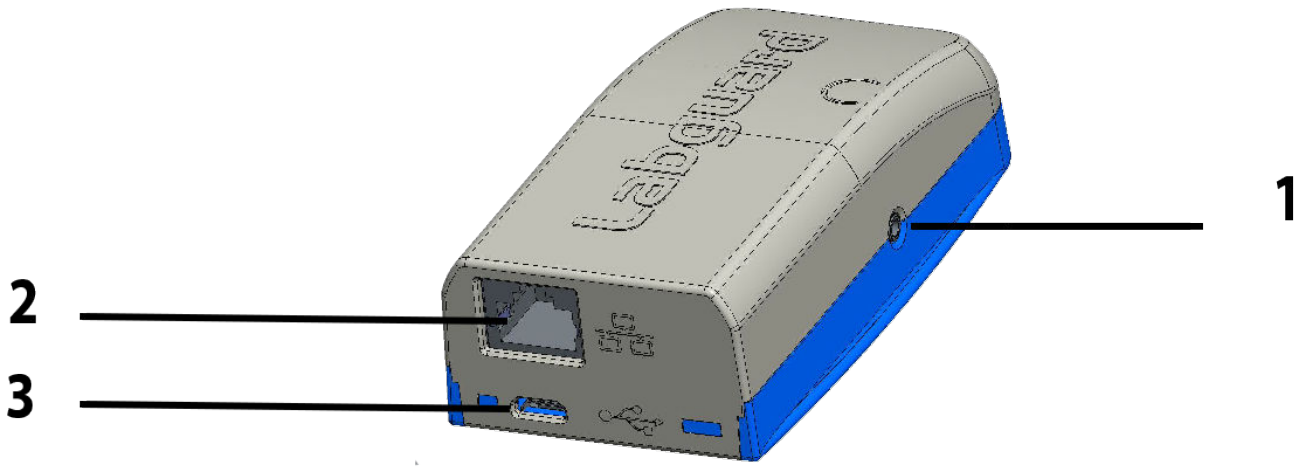
Learning about the equipment

Labguard 3D™ equipment

With Labguard 3D™ equipment, you can:

- Simultaneously measure the different physical parameters of the laboratory (temperature, humidity, CO2).
- Provide alerts with visual alarms in real time in case of anomalies.
- Save and transfer data and alarms to the Labguard® software.

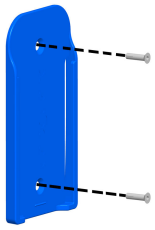
Front



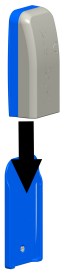
1	Accessory connector
2	Ethernet connector
3	MicroUSB connector

Installing the device

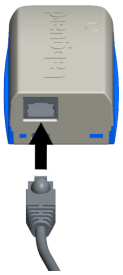
1. Fix the receiver support to the wall or to the unit to be monitored using the two screws or adhesive strips at the rear of the support.



2. Slide the device into the support.



3. Connect the Ethernet cable.



4. In the case where the installation is not PoE, plug in the external power source using the microUSB connector.

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Understanding the indicator lights

The indicator lights present on the front of the unit show the status of the Ethernet connection.

Indicator lights	Status
	Device connected to mains power supply
	Alarm in communication network

5 Technical characteristics

Environmental conditions	Altitude	up to 2,000 m	
	Temperature	from 0 to 40°C max.	
	Relative humidity (Rh)	from 10 to 80%	
	Mains power supply	Input: 100-240 VAC; 50/60 Hz; 0.3 A	Output: 5 V ⎓ ; 1 A; 5 W
	Product power supply	Mains power: • 5 V ⎓ ; 1 A; 5 W	
	Power Over Ethernet (IEEE 802.3af)	48 V ⎓ ; Class 1; 0.44 to 3.84 W	
	Pollution level	2	
Atmospheric pressure		700 hPa to 1,100 hPa	
Installation category		Type II according to Directive CEI 664	
Device dimensions (W x H x D)		Device (mm): • 55 x 103 x 31	Device in packaging (mm): • 167 x 133 x 74
Device weight		Device (g): • 90	Device in packaging (g): • 305
Connectivity		• Ethernet • USB • Labguard 3D sensor	
Wireless		Emission bandwidth: • 865 to 868 Mhz, 60 channels • 868 to 868.8 Mhz, 12 channels • 902 to 912 Mhz, 20 channels • 433.05 to 434.79 Mhz, 8 channels	Range: • 100 m inside • 400 m outside

6 Maintenance

Disposal

Recycle the lithium batteries in accordance with enforceable regulations.

Dispose of them by the appropriate means put in place.

Cleaning the device

Clean the equipment using a cloth dampened with ethanol or any other common disinfectant. However, avoid using formol, solvents, heat greater than 80°C (flames, autoclaving) or cleaning by dipping or spraying.

7 Options and accessories

Use the following options and accessories for optimum use of the device.

Reference	Designation
416053	Mains power supply µUSB_EU
416055	Mains power supply µUSB_UK
416054	Mains power supply µUSB_US
416056	Mains power supply µUSB_AU/CN
416057	Sensor extension cable 1 m
416070	µUSB/USB cable 2 m
416072	RJ45 cable 3 m

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Equipment conformity

FCC compliance

This equipment has been declared in compliance with FCC regulations, section 15, applicable to class B digital equipments. These regulations are designed to provide adequate protection against harmful interferences in a residential installation. This equipment generates, uses and may emit radio-electric waves. It can generate interferences that may be harmful to radio-communications if it is not installed or used according to the instructions. Using this equipment in a specific installation may generate harmful interferences, in which case the user may need to correct the interference using one or all of the following methods:

- Redirect or move the receiver aerial
- Move the equipment away from the receiver
- Plug the equipment into a different socket from the one used for the receiver
- Contact the distributor or get help from a radio / TV technician.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference.
- this device must accept any interference received, including interference that may cause undesired operation.

This equipment complies with FCC's radiation exposure limis set forth for an uncontrolled environment under the following conditions:

- This equipment should be installed and operated such that a minimum separation distance of 20cm is maintained between the equipment and user's/neraby person's body at all times.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: The grantee is not responsible for any changes or modifications not expressly approved by the party responsible fr compliance. Such modifications could void the user's authority to operate the equipment.

Industry conformity Canada (IC)

This class B digital equipment complies with Canadian standard NMB- 03.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions :

- this device may not cause interference.
- this device must accept any interference, including interference that may cause undesired operation.

EC compliance

This class B numeric equipment complies with the relevant EC directives and standards listed in the accompanying certificate(s). Class B equipment is equipment suitable for use in domestic establishments and in establishments directly connected to a low voltage power supply network which supplies buildings used for domestic purposes. Class B equipment shall meet class B limits.

Compliance statement CE

Via this statement, we	bioMérieux SA 69280 MARCY l'ÉTOILE- FRANCE

hereby declare that the product designated hereafter - as a result of its design and its type as well as the model that we have put into circulation - meets the fundamental health and safety requirements defined by the EC directive concerned.

This statement shall be rendered invalid by any modification not approved by us.

Machine designation:	**Monitoring hardware**
Model and reference type:	
Applicable EC directives:	• **EC low voltage Directive (2006/95/EC)** • **EC-ECM directive (2004/108/EC)** •
Harmonized standards applied in particular:	**EN 61010-1 (Ed. 2010): 2010, EN 61326-1 (Ed. 2006):** 2006, EN 301 489-3 (Ed. 2002 V1.4.1): **2002 V1.4.1 EN 300-220-2 V2.4.1 EN 62479: 2010**
The technical documents were written by:	**Mr Develon** **(Authorized person for documentation)**
Date / Manufacturer's signature:	**13 June 2013** 
Signatory's position:	**Instrument R & D Manager**

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CE

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