Compact Vision

Compact Vision Reader **Manual**

INSTRUCTIONS FOR USE

COMPACT VISION

Thank you for choosing our Compact Vision. To ensure the best performance and a long service life for this device, we recommend carefully reading the instructions for use before operating it. It is important to use this device in accordance with the guidelines provided in this manual.

The equipment's proper functioning and safety are guaranteed only if general safety, accident prevention regulations, and specific instructions in this document are followed." We do not assume any responsibility for damages resulting from improper use or incorrect operation of the device.

Please ensure that this manual is always available for reference and that it is read and understood by all individuals operating the equipment.

This manual is intended exclusively for its defined purpose. Reproducing, modifying, or translating it into other languages without prior written authorization from Compact Vision is not permitted.

Please note that this document is subject to technical changes and updates in line with ongoing improvements.

GENERAL INFORMATION

❶ Important Follow the Instructions:

Once the equipment is in operation, it is essential to have a clear understanding of its operation and to carefully follow the steps outlined in this manual.
This electronic device has been designed exclusively for the purposes specified in this document.

❷ Description:

Our Compact Vision uses advanced Artificial Intelligence algorithms to count and differentiate colonies present in Compact Dry® plates, as well as to manage information in a cloud database that displays results in real-time on the reader and on a web page.

This reader is exclusively designed for use with Compact Dry® reference plates. We are not responsible for its use with any other methodologies different from those described.

❸ User Responsibility:

The user is responsible for understanding the equipment instructions and consulting their representative or local distributor for more information.

WARNING

An unsuitable operating environment can reduce the equipment's lifespan, cause damage, or produce errors. Please pay attention to the following:

- To avoid reading errors, it is essential that the equipment is properly connected and that the Compact Dry® plates are correctly placed as indicated later in this manual.
- Laboratory-use equipment.
- Only the original PA-1450-26 power supply should be used to connect the Compact Vision.
- INPUT: 100-240VAC 1.2A 50-60 Hz.
- OUTPUT: 19 VDC 2.37A.
- The use of a 1KVA/500W UPS is essential.
- Do not place the equipment in locations where it is difficult to disconnect.
- Ensure that the power source is connected to a grounded outlet.
- Do not spill liquids on the device or immerse it.
- No modifications should be made to this electronic device without prior written consent from Compact Vision. Any attempt to modify the hardware or software will be detected by the company, and the equipment will be locked.
- Do not place the device near equipment that generates radiation, vibrations, or magnetic fields, as these may affect its results.
- Users must be trained in both manual and automated reading of Compact Dry® using the reader device.
- The use of any plates other than Compact Dry® has not been documented; therefore, proper functionality or potential undesired results cannot be guaranteed.
  All parts must be repaired by service centers authorized by Compact Vision.
- Do not connect any USB devices to the Compact Vision; it is exclusively for use by Compact Vision technical support personnel.
- The device operates with internet via Wi-Fi or network cable; it is recommended to use a network cable (not included).

> *"Do not transport the equipment with a plate inside."*

PHYSICAL CONDITIONS

Specifications	
Length	254 mm
Width	156 mm
Maximum Height	248 mm
Minimum Height	169 mm
Weight	2.8 kg
External Connectors	1 USB 3.0 connector 1 power connector 1 Ethernet network connector
Button	1 power button

OPERATING CONDITIONS

Environmental Conditions	Operating conditions
For Internal Use Only	
Altitude	Up to 4,000 meters above sea level
Operating Temperature Range	10 - 35 ºC
Relative Humidity	20–80% (non-condensing)
Storage Temperature Range	5 ºC to 40 ºC 41 ºF to 104 ºF
Input and Output Voltage	INPUT: 100-240VAC OUTPUT: 19 VDC
Input Current	1.2 A
Output Current	2.37 A
Frequency	50-60 Hz
Pollution Degree	1
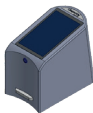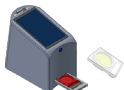
TECHNICAL SPECIFICATIONS

Mesophilic Aerobes ◦ TC: 1–300 (CFU/plate) ◦ TCR: 1–300 (CFU/plate)	***Staphylococcus aureus*** ◦ XSA: 1–150 (CFU/plate)
Molds and Yeasts ◦ YM: 1–150 (CFU/plate) ◦ YMR: 1–150 (CFU/plate)	***Enterobacteriaceae*** ◦ ETB: 1–300 (CFU/plate)
Total Coliforms/*E. coli* ◦ EC: 1–300 (CFU/plate)	***Enterococcus*** ◦ ETC: 1–300 (CFU/plate)
Fecal Coliforms ◦ CF: 1–300 (CFU/plate)	***E. coli*** ◦ ECO: 1–300 (CFU/plate)

"If the bacterial density exceeds the specified amount, our equipment will still be able to count the colonies, but its accuracy may be compromised."

ITEMS INCLUDED IN THE BOX

- Compact Vision for Compact Dry plates, Power Supply
- User Manual, Sample Compact Dry Plate

On the front, there is a power button that starts the application, as well as the plate holder where the Compact Dry plates are inserted.	
The plate must be placed face down, ensuring that the letters appear reversed, meaning the plate should be rotated on its own axis, like this:	
On the back of the Compact Vision, there are three connectors: an Ethernet port, a USB port, and a power supply connector.	

PREPARING THE EQUIPMENT FOR USE

This equipment has been packed in specially designed packaging with exact measurements to prevent sudden movements until it reaches its destination. However, please remember that it is an electronic device, and its transportation and use must be handled with care.

To set up the equipment, remove the wrapping material and carefully place it on a flat and smooth surface.
If the equipment needs to be repaired, it must be returned in the same packaging it arrived in to avoid any issues during transportation to our facilities.

Before placing the equipment back in the box, make sure it is not connected to the power source or has an Ethernet connection cable attached.

WARNINGS FOR CLEANING THE COMPACT VISION

To clean the equipment, ensure it is turned off and that no plates are installed. Improper cleaning may reduce its service life and cause damage.
Avoid spraying liquid directly on any surface of the equipment. Instead, use a microfiber cloth to apply the cleaning solution, ensuring it is non-abrasive and free of corrosive components.

The plate holder must be cleaned with great care. Do not apply liquid directly; instead, use a microfiber cloth with 70% alcohol.

WARRANTY

Limited Warranty and Disclaimer

Compact Vision guarantees that the Compact Vision will be free from manufacturing defects in materials and workmanship under normal conditions of use for a period of 1 year from the original date of purchase.

If during this period the product presents a manufacturing defect, Compact Vision will take full responsibility and, at its sole discretion, will repair or replace any defective part or component at no additional cost to the original purchaser.
This warranty applies only to products purchased through authorized distributors and does not cover damages caused by:

• Improper use, mishandling, alteration, accident, or negligence.
• Incorrect installation, operation, or maintenance that does not comply with the instructions in the user manual.
• Do not connect any USB devices to the Compact Reader.
• Repairs or modifications performed by unauthorized third parties.
• Extreme environmental conditions or use outside the parameters specified in the product documentation.
To obtain warranty service, the user must present proof of purchase and contact Compact Vision via **[support email / contact number].**

DISCLAIMER

The Compact Vision is designed for the high-precision capture and analysis of culture plate images; however, its proper operation depends on appropriate conditions of use. Compact Vision does not guarantee that the product is suitable for all scientific applications without prior verification by the user.

The associated software is a tool for image analysis and storage, but it does not replace the interpretation and validation of results by a trained professional.
This product is sold "AS IS" and "AS AVAILABLE", without any additional implied warranties, including but not limited to any warranties of merchantability, fitness for a particular purpose, or compatibility with third-party systems not approved by Compact Vision.

LIMITATION OF LIABILITY

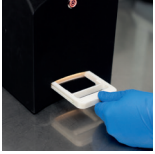To the fullest extent permitted by law, Compact Vision shall not be liable for:

• Loss of data, unauthorized access to stored images, or failures in software connectivity.
• Indirect, incidental, special, or consequential damages arising from the use or inability to use the product, including workflow interruptions, loss of samples, or errors in microbiological analysis.

The total liability of Compact Vision for any claim related to the product shall in no event exceed the amount paid by the user for its purchase.
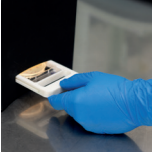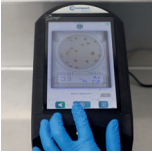

Scan here for more details

INSTRUCTIONS FOR USE

To turn on the device, press the button located on the front and hold it until it lights up in blue.	
We wait for the device to start.	
Press the **"START"** button to begin the plate reading.	
The start screen is then displayed.	
Pull out the plate support.	

INSTRUCTIONS FOR USE

Place the Compact Dry plate upside down in the plate holder.	
Slide the plate holder to close it.	
Make sure the plate is fully visible on the screen.	
Then, press the second bottom left button to capture and count the colonies on the Compact Dry plate.	
You can observe the colony count highlighted in red squares, with the total count displayed in gray at the bottom left.	

INSTRUCTIONS FOR USE

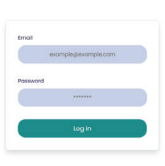|	
Wait for the image to upload to the plate reader's web application.	
After the upload is complete, a confirmation message will appear. Press "OK".	
Press the back button to return to the home screen	
Finally, press the power button to properly turn off the device.	
Press the settings button to open a window where you can choose to configure either the time or the language.	

INSTRUCTIONS FOR USE

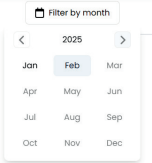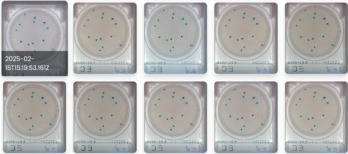|	
Pressing the date button opens a window that allows the user to choose the corresponding time zone for their country.	
Pressing the language button allows the user to select one of three available languages: Spanish, English, or Portuguese.	
When the Wi-Fi button is pressed, a window appears where the user must select the network name (SSID) and then enter the password.	

Note:
The device can connect to the internet in two ways: via a wired network (Ethernet), which is recommended, or by setting up a Wi-Fi connection. The Wi-Fi button shows the connection status: green means connected to the internet, while black means there is no connection.

COMPACTDRY HUB

Fill in all the required fields to log in. Select the language: es - Spanish en - English pt Portuguese	

COMPACTDRY HUB

Main Page	
	Filter the plates by date.
Click on the desired plate.	
	CompactDry Plate Reading Image

https://compact-vision-web.vercel.app/en

COMPACTDRY HUB

Reading date: 📅 12/2/2025 ⏱ 15:59:26 ID: cbc8171f-9fc4-4b9d-b677-d8a0ee37d29b	Modification of Inoculation Date
Annotations: This option selects the detected colonies by shape and color.	
Rotate image 🔄 Download Image ⬇	Rotate Image: This option allows you to rotate the image and see its reflection. Download Image: In this option, you can download the image by selecting the desired size
Microorganisms: This section displays the number of microorganisms detected. Notes: In the "Notes" section, you can add any additional comments.	**Microorganisms** Total: 62 ● Legend N/A 62 **Notes** Write your notes here.. 0/60

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