

DRS disinfecting instructions

MANUAL INFORMATION

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Manufacturer:	CenterVue S.p.A. Via San Marco 9h, 35129 Padova – ITALY Tel. +39 049 501 8399 Fax +39 049 501 8398 centerVUE

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1. INTRODUCTION

This manual describes the procedure recommended by CenterVue to disinfect the DRS device. The procedure can be applied before each use if necessary. This manual also contains suggestions to maximize safety of the operator against possible biohazards associated with the subjects being tested.



The procedure described in this manual is different and more aggressive than the regular cleaning procedure described in the device operating manual and has been made available only because of the extraordinary circumstances caused by the Covid-19 pandemic.

Some parts of the device are not meant for frequent disinfection and may be damaged and/or altered after some time.

Use of disinfectants other than indicated in this manual presents major contraindications.

2. GENERAL PRECAUTIONS DURING USE

The following precautions during use are particularly useful to reduce the need for device disinfection:



- Have the subjects being tested and the operators of the device always wear a mask
- Direct the subject being tested not to speak when placed in front of the device
- During the Covid-19 pandemic it is advisable to stop using the removable light shield (also “hood”, see Fig. 3). As an alternative, disinfect it after each use by spraying it with a disinfectant



Fig. 1 – DRS device



Fig. 2 – Connector panel on the side of the device



Fig. 3 - Removable light shield or "hood"

3. **DISINFECTION PROCEDURE**

Turn the device off and disconnect the power cord from mains before proceeding with the disinfection.

3.1 **Disinfecting the front lens**

Wipe the front lens using photographic cleaning paper (e.g. *Edmund Optics NT53-984*) or a single-use microfiber cloth soaked in pure Isopropyl alcohol. Press lightly the wet cloth on the front lens surface. Starting from the center of the lens, wipe it with a circular movement, very slowly, only for one complete rotation. The exiting movement (i.e. moving away from the lens) has to be made radially, towards the border. Do not reuse the wiping cloth after one pass.

Allow the lens to dry.

3.2 **Disinfecting all other parts**

Disinfect the parts listed below using Isopropyl alcohol (solution >70%).

Do not pour the disinfectant directly on the device, instead use a disposable towel to apply it.

- silicone chin rest and forehead rest (do not remove them before disinfecting);
- plastic covers, including any cables;
- any aluminum parts;
- device screen;
- connector panel (see Fig. 2);

Allow all surfaces to dry before turning on the device again.



The device name printed on the plastic covers is not meant for frequent disinfections and may degrade if the process is repeated many times.

The front lens is not meant for frequent disinfections and its anti-reflective coating may be permanently damaged if the process is repeated many times.

4. **MAXIMIZING OPERATOR SAFETY**

The DRS can be used in combination with a standard mouse, either wired or wireless.

Purchase a **wireless mouse** and plug it into one of the free USB ports accessible from the connector panel. Place the mouse on a table or other support about 1 meter from the device screen.

INSTRUCTIONS TO OPERATORS:



- type any anagraphic information by letting the patient stay far from yourself and the device
- provide all necessary instructions to the patient concerning how to perform the test;
- have the patient position herself/himself in front of the device
- use the mouse instead of the touch screen to control the device during the test

This kind of operating modality is only possible thanks to the fully automated operation capabilities of the device and will ensure safe distance from the subject being tested, eliminating the need for protective shields or alike.