

# RE-VO2 | Datasheet



## INTENDED APPLICATIONS

The RE-VO2 Resonance Video otoscope is used to perform an otoscopic examination of the outer ear and tympanic membrane for preliminary diagnostic assessments. It is also used to assist ENT professionals operating with hearing aids or other tools needed for daily routine exams.

RE-VO2 is to be operated by ENT professionals with education and/or training in the field of audiometry.

The device consists of a handheld otoscope having an HD micro video camera in the tip that can allow on a video screen the view of the eardrum and a portion of the ear canal, at the same time.

RE-VO2 captures clear images providing the professionals with a comprehensive view of the patient's ear.

RE-VO2 has a one-button control to allow the performance of a full assessment of both ears without having to revert to the computer.

## TECHNICAL SPECIFICATIONS

PERFORMANCE	
Image sensor:	1/9" high color sensor
Camera diameter:	4.2mm
Pixel size:	1.4µm x 1.4µm
Specula:	Heine 4 or 2.5 mm for pediatric use
Effective picture element:	1280 (h) x 720 (v)
AGC, AES, AWB:	Auto
Dynamic range and S/N ratio:	68.4 dB ; 36.4 dB or superior
Lens construction:	3P + IR
Lens F/NO:	F4.7
Lens view angle (Field of View):	(D) 88° +/-5°
Depth of field:	10mm - 30mm
Light source:	High luminous white colour LED
Power input:	DC - 5V via USB type C
Output system:	Via USB Type C, driverless
Power consumption:	1W
Operating / Storage temperature:	0 C° to +40 C° / -10 C° to 70 C°
Operating relative humidity:	0% - 90% Rh
Weight/Length/Cable length:	100g/16.8cm/2m
Connectivity:	To a PC via USB type C to capture, view, and store images Windows 11 compatible
Software Compatibility:	Resoscope: available as a software platform for images/video management on a PC including NOAH module or app for Android mobile phones.
Manufacturer:	M.R.S. Srl Via C. Battisti, 134 24025 Gazzaniga (BG) ITALY

## STANDARD CONTENTS AND OPTIONAL ACCESSORIES

STANDARD COMPONENTS		
Description	Quantity	Part number
RE-VO2 Videotoscope	1	4300103520
Carrying bag	1	110000295
USB type A adapter	1	110000298
RE-VO2 Operating Manual	1	110000296BA
4mm single-use Specula	5	110000297
Alcohol pads	10	065001323
Pendrive USB (including Resoscope, User's manual and final report)	1	110000111