

ENT Chair

OP-S10

DESIGNED **BY** ENT SPECIALISTS
FOR ENT SPECIALISTS



- Completely motorized
- Ergonomic
- Robust

OPTOMIC®
producing quality

OP-S10 ENT CHAIR

ENT Chair with Integrated Videoendoscopy Unit for Exams and Vestibular Tests

OPTOMIC's OP-S10 chair has been designed by ENT specialists for ENT specialists. Doctors from all over the world have provided their knowledge and experience for the design of the **OP-S10 chair**.

Ergonomics for the Doctor

ONE OF THE MAIN ergonomic advantages of the OP-S10 chair is the possibility it offers the specialist, due to its well studied design, of easily and comfortably reaching every area of the patient that requires examination.

OPTOMIC has developed a chair designed for the comfort of both patient and doctor.

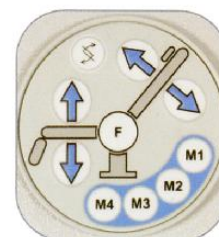
Our philosophy is based on the idea that not only the patient must be comfortable, but also the specialist, in order to work safely in any position, avoiding inconvenient postures and unnecessary fatigue.

The high quality of its mechanism sets it apart from other chairs in the market, as mechanics of high precision and great sturdiness have been used, as well as the best materials and components. Proof of this are its conical roller bearings of high resistance, its 36 self-lubricated axle-boxes that offer an unequalled smoothness of movement, free of looseness and maintenance, its linear bearings for axial glides, its high quality Danish motors, or its excellent electronics with capacity for different programs and functions.



*"Quality, design, ergonomics, safety, resistance, stability, precision and a long life span are synonyms of **OPTOMIC chairs**."*

ELECTRONIC MOVEMENT CONTROL



Motorized Backrest Rising and Lowering System

It is controlled by a processor which enables the chair to be set in any of the selected positions, depending on the user setting.

Function Control

It has up to 36 programmable memories for 9 different users. The memory keys have a double function: to place the chair in the programmed position and to control up to 4 external systems, such as microscope, suction unit, office lighting, nurse call, etc.



Electromagnetic Rotation and Brake

CHAIR ROTATION

The patient can turn very safely and smoothly, due to the chair's strong bearings of high resistance conical rollers.

ELECTROMAGNETIC BRAKE

By simply pressing the F key, the chair rotation is blocked and the OP-S10 brakes instantly.



ERGONOMICS

Comfortable for Doctor and Patient

STUDIED IN DEPTH to develop a product which adapts itself to the doctor's ergonomics in action.

Its great capacity and reduced size ensure that the chair structure does not hinder the doctor's movements. Its sturdiness makes it possible to move large patients.

Concave legrest: when horizontal it holds the patient's calves for greater comfort and relaxation.



LEG AND FOOTREST, MAIN ACCESS TO THE PATIENT

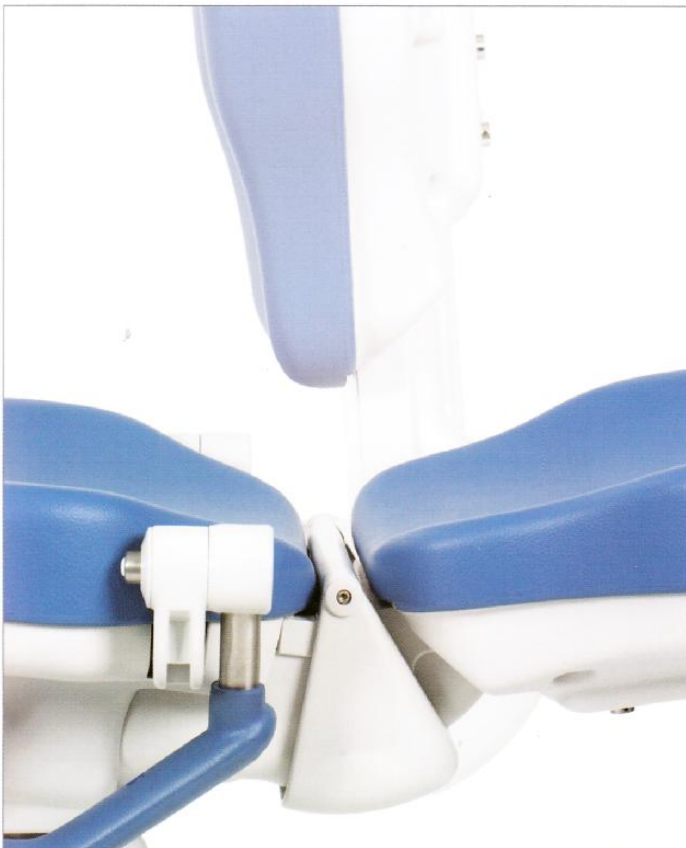


Small Footrest

It forces the patient to sit in the correct position to be examined.

Collapsible Footrest

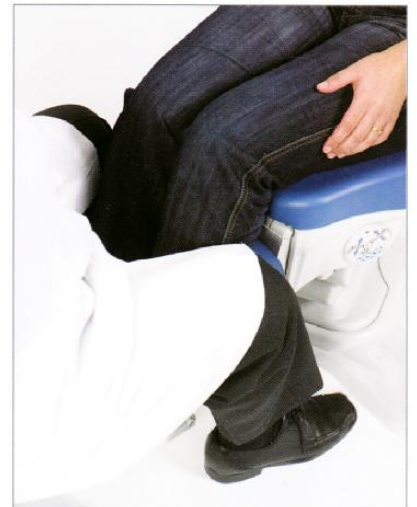
It allows patients with reduced mobility to sit with total safety.



Backrest Travelling System

On linear guides, it travels up and down automatically, so that the patient's head and the headrest do not lose their position when the backrest is lowered.

It also protects the lumbar area, preventing the patient's clothing from moving around the waist.



Narrow Legrest

It allows for easy approach to the patient without the doctor having to open his or her legs excessively.

Fold-down Footrest

When the chair is horizontal, the footrest folds down automatically to avoid pain from contact between the heels and the metal.

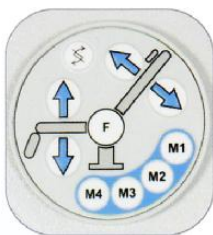


CONTROLS



Single Key for Trendelenburg Position

It works in an emergency situation taking the chair to this position automatically ($\sim 10^\circ$) and raising the patient to a comfortable intervention position. The movement can be cancelled by pressing any key.



Central Key

It controls the chair's electromagnetic brake function and the 150w halogen light source or the examination spotlight.

Function Control

Using any of the four redundant keyboards placed on different sides of the chair, it can be controlled from any position.

Liquid Crystal Display

The active user can be viewed and selected, programming the memories of each one. It gives warnings and displays messages of status or error.



Examination Spotlight

For combined use with a frontal mirror, placeable in any direction. Anti-heat cooled casing, with halogen dichroic lamp of short focus.

SAFETY



Great Stability and Sturdiness

This describes the OP-S10 chair's base. Its practical base ends allow the doctor to move over them with a rolling chair, so there is only the minimum space between patient and specialist.

Elevator Arm

A self-compensated parallelogram makes it possible to increase the chair's load, providing greater safety and stability.



Electrical Safety

The OP-S10 chair is connected directly to its power box, which provides low voltage current (21v – 31v) and isolates the chair from the main power supply, avoiding dangerous voltage.



Movement Safety

The OP-S10 chair has an accidental movement protection system. Its STOP key prevents it from moving if a key is pressed accidentally.

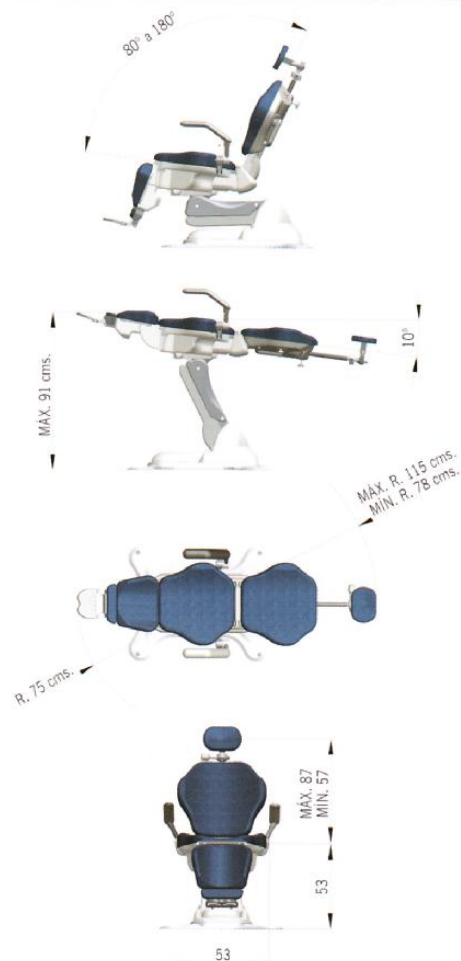


Mechanical Safety

The chair has complete fairing, to make it totally safe from mechanical trapping accidents.

OP-S10 TECHNICAL SPECIFICATIONS

PROGRAMMABLE MEMORIES	4 (Up to 36 for 9 users, optional)
CONTROLS	4 redundant keyboards with washable membrane
SAFETY BLOCKING	Stop and safety in a single key
EMERGENCY STOP	E-stop button
ARMRESTS	Polyurethane covered folding armrests
UPHOLSTERY	Flexible integral polyurethane (available in several colours)
HEADREST	Quick-removal straight headrest
TRENDELENBURG POSITION	Pre-programmed movement
80° NASAL EXAMINATION POSITION	Pre-programmed movement
SLIDING BACKREST	Synchronized with movement
ELECTRIC RISING MOVEMENTS	6.000Nm linear actuator
ELECTRIC RECLINING MOVEMENTS	4.000Nm linear actuator
MAXIMUM LOAD	180kg
ROTATION BRAKE	145Nm permanent electromagnetic brake (Neodymium)
ROTATION DEGREES	270° with mechanical buffers
EXTERNAL POWERBOX SUPPLY	110-240V/50-60Hz
CONNECTION BETWEEN POWERBOX AND CHAIR	21V, 33V, video and communication signal
MAXIMUM POWER (WITHOUT EXTERNAL DEVICES)	400VA
BACKREST ANGLES	80° minimum - 190° maximum
ELEVATION HEIGHTS	530mm minimum - 910 mm maximum
MAXIMUM DIMENSIONS (EXTENDED)	620 (w) x 1.200 (h) x 1.200mm (l)
WEIGHT OF THE EQUIPMENT	108kg
OPTIONAL ACCESSORIES	
EXTERNAL DEVICE CONTROL	4 connectors (On/Off)
MOTORIZED ROTATION	Pendular vestibular rotational tests
LCD DISPLAY	User selection. Warnings and chair status information
EXAMINATION MONITOR	8" TV/VGA tactile Monitor
INTEGRATED CAMERA IN MONITOR	1/3" CCD - 490 TV lines high resolution
	High brightness and great colour reproduction
	Composite video and S-VHS output in powerbox for secondary monitor
FRONTAL EXAMINATION SPOTLIGHT	35w halogen - cooled
COLD LIGHT SOURCE	150w halogen
	Storz type connection
	2nd lamp for quick change
ADJUSTABLE HEADREST	100mm radius depth and height adjustment



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DISTRIBUTOR:

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