

IS-1 series

Ophthalmic unit

High class solutions for your
modern practice environment



 **TOPCON** Healthcare

High class solution for your modern practice environment



The IS-1 series was developed by Topcon, and is the top of the range of ophthalmic units that Topcon has to offer. The IS-1 series distinguishes itself through quality, design, configuration variety and colour options, and is therefore the high-class solution for your modern practice environment.

IS-1

The ophthalmic unit IS-1 offers you a wide range of options to create a unit that fulfils all your needs for refraction, slit lamps and other instruments. The rotatable sliding tabletop accommodates up to two instruments and is available with elevation as standard, to make both the practitioner and patient more comfortable. The touch screen control panel allows the user to control all movements of the chair and tabletop, dim the room lights and operate the near vision LED light. The IS-1 is available in both right and left versions, as well as a wheelchair-accessible version. There are several colour combinations to choose from.



- 2-instrument rotatable sliding tabletop
- Standard tabletop elevation
- Touch screen control panel
- Integrated cable management system
- Small footprint
- Right & left version available
- Right & left wheelchair access version available
- Various optional accessories such as LED reading light & curtain control
- Several colour combinations
- PC desk option
- Electro-brake for locking the tabletop (optional)
- Halogen uplight dimmable room illumination

IS-1 Series

IS-1D

The IS-1D is especially designed to accommodate three instruments on a rotating tabletop. It comes with two electro-brakes controlled by a footswitch, as standard. Similar to IS-1, the tabletop can be elevated. Curtain control is standard with the IS-1D.

The IS-1D is available in right and left versions as well as a wheelchair option. The cable management system enables clean installation of all instruments. You can choose a single trial lens drawer or a 3-drawer version which can optionally accommodate the power supply of the Topcon CV-5000 phoropter system. The dedicated PC desk will complete the setup for all your needs.



- 3-instrument rotatable tabletop
- Touch screen control panel
- Small footprint
- Right & left versions available
- Powered elevation of tabletop
- Standard electro-brake for locking the tabletop
- Integrated cable management system
- Right & left wheelchair access version available
- Standard curtain control

IS-1P

The IS-1P unit is supplied with a powered linear sliding tabletop to accommodate two instruments. The VT-1L linear automated phoropter arm is synchronised with the elevation movement of the tabletop. The optional monitor support allows installation of a TFT monitor for user convenience. The IS-1P can also be supplied with an optional large desk to meet the requirements of a busy ophthalmic practice.



- 2-instrument electrical-driven parallel sliding tabletop
- Right version available
- Touch screen control panel
- Automated linear phoropter arm VT-1L
- Powered elevation of tabletop
- Integrated cable management system
- Synchronised elevation of phoropter arm with tabletop
- Wheelchair accessibility (right version)
- Various options such as monitor support & curtain control
- Large IS-1P PC desk
- OC-14 fully reclinable ophthalmic chair available

IS-1 Series furniture

The IS-1, IS-1D and IS-1P can be supplied with optional furniture in the same colour scheme as the ophthalmic unit.

Trial lens drawer

The trial lens drawer consists of a single drawer which can be placed beside the unit or next to the chair. At the same time it acts as a storage platform for the IS-1 series touch screen control panel. The perfect solution to accommodate your trial lens set.

Power supply drawer

The power supply drawer consist of three drawers, and can optionally accommodate the power supply unit of the Topcon CV-5000 phoropter.

IS-1/IS-1D PC Desk

The PC-desk fits seamlessly on to the IS-1 and IS-1D unit. The desk support incorporates a ventilated storage compartment for the PC.

IS-1P dedicated PC desk

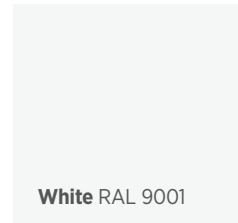
The IS-1P PC desk is a large desk that fits exactly with the IS-1P unit. Various setups are possible, such as combinations of IS-1P drawers with trial lens drawer or with PC-storage compartment



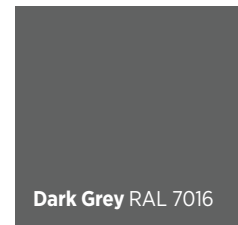
IS-1 Series colours

IS-1 series colour options

The whole IS-1 ophthalmic unit series is available in 4 colour combinations. The basic colour of the unit, pole and tabletop is a modern white or dark grey.



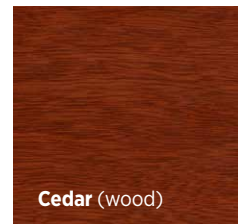
White RAL 9001



Dark Grey RAL 7016

Colour images may vary from original

We provide a choice of two finishes for the unit: a silver-grey metallic option and a warm cedar wood option. These finishes are applicable to the trial lens drawer, power supply drawer, PC compartment, desk drawers, and the central cover of the main unit.



Cedar (wood)



Silver Grey RAL 9006

Colour images may vary from original

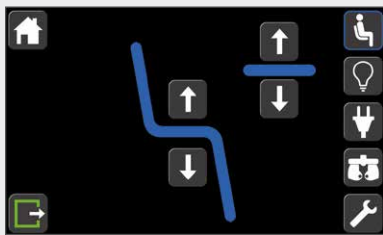


IS-1 Series standard accessories

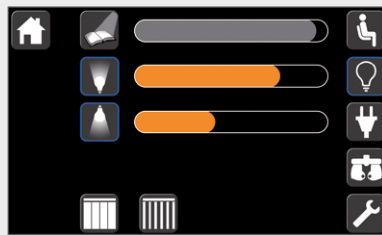
Touch screen control panel

The IS-1 series touch screen is a satellite panel which can be placed on a flat surface of your choice. It controls various functions:

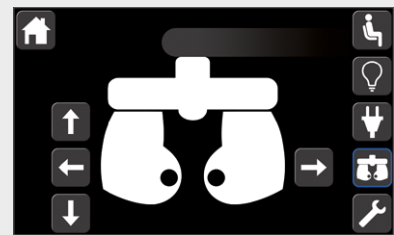
- Chair/tabletop motion
- Uplight & room illumination
- Reading LED light
- Auxiliary control
- Linear VT-1L phorofter arm
- Curtain control
- Statistics
- Settings menu



Chair and table up/down motion. Reset chair and table.



Dimming of room light and reading light by swiping the touch screen. Open and close curtains.



VT-1L phorofter control, up/down movement of the VT-1L phorofter arm.

Safety-stop

The safety-stop guarantees patients safety when operating the elevation of the tabletop or chair. The IS-1P is supplied with an extra safety stop for the linear movement of the tabletop.



Room illumination

The dimmable halogen uplighter illuminates the room indirectly and can be dimmed from the touch screen control panel.

Chinrest support

The IS-1 and IS-1P tabletop is equipped with a tabletop fixed chinrest support, but can be changed with an optional sliding chinrest support, in case you want to operate two instruments with the same chinrest.

Cable management

The cable management system keeps the IS-1 series design smooth and contemporary. All cables of instruments installed can be invisibly guided through the tabletop cable management system.

Wheelchair accessibility

Wheelchair accessibility

One of the features of the IS-1 series is that all three models: IS-1, IS-1P, and IS-1D, are also available as wheelchair-accessible ophthalmic stands in both right and left versions. The small footprint of the standalone ophthalmic unit allows the user to easily position any wheelchair type for optimal patient comfort during the examination.



In this configuration, the ophthalmic chair such as OC- 10/12 can be moved aside with the use of its own wheeled baseplate, in order to make the unit accessible for wheelchair patients.

IS-1 series optional accessories

LED near vision lamp

The adjustable LED reading lamp provides crisp, white illumination which supports near vision examinations.



Potentiometer

The optional potentiometer based on the tabletop can be used to regulate the illumination of any instrument that does not have illumination dimming on board as part of its built-in functionality.



Projector support

The dedicated IS-1 series projector support allows mounting of Topcon chart projectors.



Monitor support

The dedicated IS-1 series monitor support allows the user to mount a TFT screen for user convenience.



IS-1P Optional phoropter arm



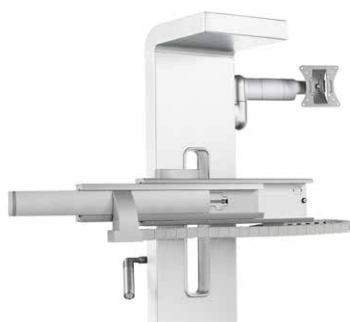
VT-80 Phoropter arm

The VT-80 phoropter arm enables mounting of most available phoropter heads. The mechanical lock ensures fixed positioning of the phoropter in front of the patient.



VT-81 Phoropter arm

The VT-81 phoropter arm is provided with a handle for easy manoeuvring of the phoropter. A spring-loaded counterbalance ensures positioning of the phoropter.



VT-1L Powered linear phoropter arm

The VT-1L is a linear phoropter arm which is specially designed to accommodate the CV-5000 computerised phoropter. The cable management kit enables clean installation. The automatic movement of the VT-1L is controlled from the touch screen control panel.

Up/down movement

For the VT-1L an electrical up/down movement is available which can be controlled from the touch screen control panel. This up/down movement can be synchronised with the tabletop elevation.

IS-1 series accessories



Footrest optional

OC-10

The OC-10 patient chair is designed to provide a comfortable seat for patients during examination. The standard armrests are foldable and the chair can rotate 120°. An optional footrest is available to enhance the patient's comfort. The up-down stroke of the chair has increased in order to allow easy access and usage for patients.



Footrest optional

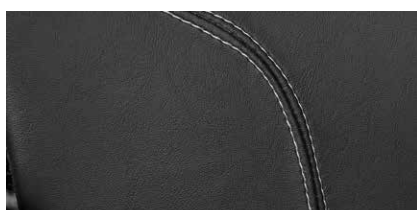
OC-12

The OC-12 is the chair required for the IS-1D. It is similar to the OC-10 without armrests.



OC-14

The OC-14 patient chair is equipped with several features, including full leather effect upholstery, reclinable armrests, horizontal seat displacement and a large footrest.



Double stitching in opposing colour

The leather effect of the fabric and the double stitching in contrasting colours makes the appearance of the ophthalmic OC chairs modern and professional. The armrests are made of aluminium and provide support for the patient.

IS-1 series accessories



Footrest for OC 10 /12



OC-10 / 12 Baseplate without wheels, also available with wheels
OC-14 Baseplate without wheels

Forward/backward replacement system for OC-10/12/14

The optional forward/backward replacement system for the ophthalmic chair allows the user to move the chair back and forth with a stroke of 160mm. This automated movement can be operated individually through the IS-1 touch screen control panel but is also synchronised with the automated movement of the VT-1L phoropter arm and the elevation of the tabletop. With one press of the control panel button, all positions are reset.

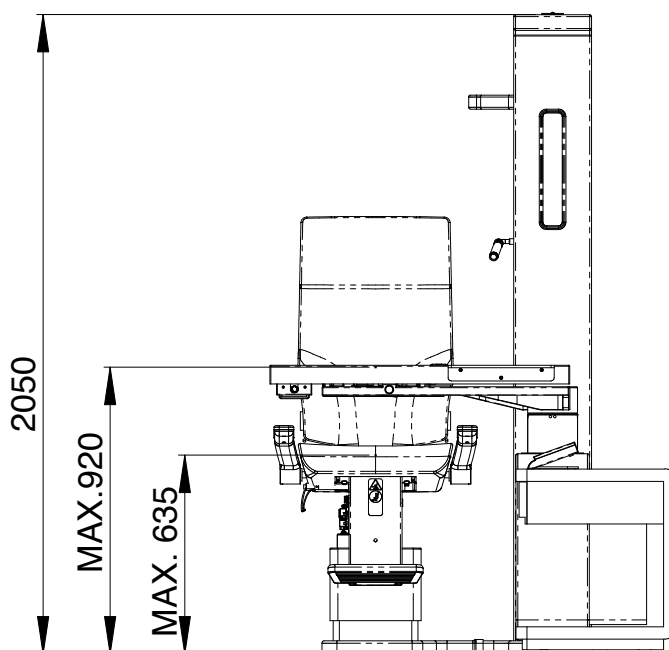


IS-1 series specifications

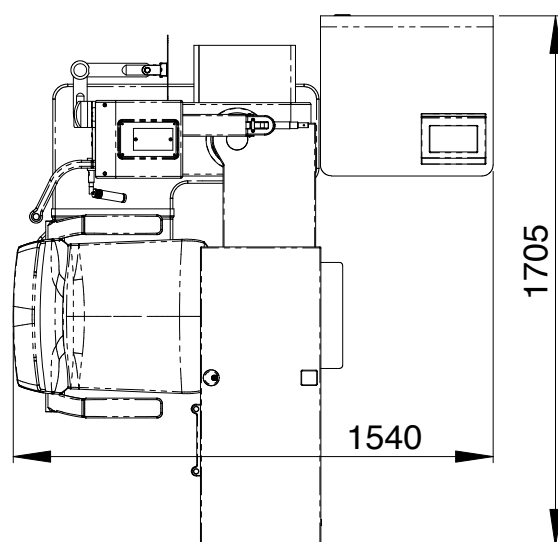
Specifications of OC

	OC-10	OC-12	OC-14
Reclining (Full)	No	No	Yes
Rotation	120°	120°	76°
Foldable armrests	Yes	No	Yes
Horizontal seat displacement	Optional	Optional	Standard
Seat: max./min. height in mm	465-636mm	465-636mm	490-660mm
Footrest	Optional	Optional	Standard
Baseplate	Possible	Possible	Possible
Baseplate with wheels	Possible	Possible	Not possible
Maximum load	175kg	175kg	175kg
Net weight	39kg	37kg	54kg
Max. power consumption	450W	450W	450W
Power	230V AC, 50-60Hz	230V AC, 50-60Hz	230V AC, 50-60Hz
Electrical classification	Class I, Type B	Class I, Type B	Class I, Type B

Dimensions of IS-1

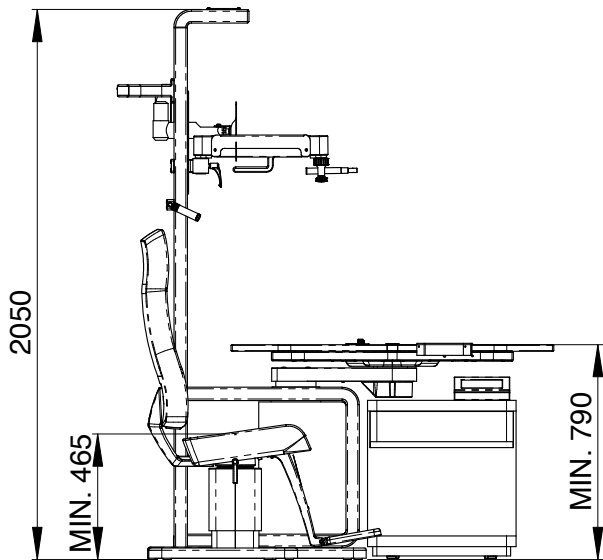


Footprint of IS-1

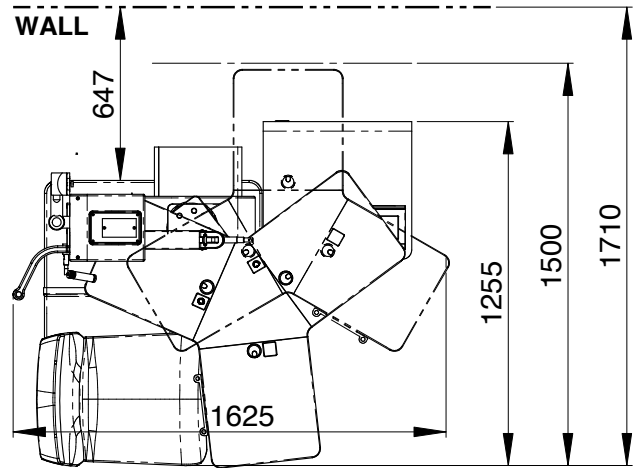


IS-1 series specifications

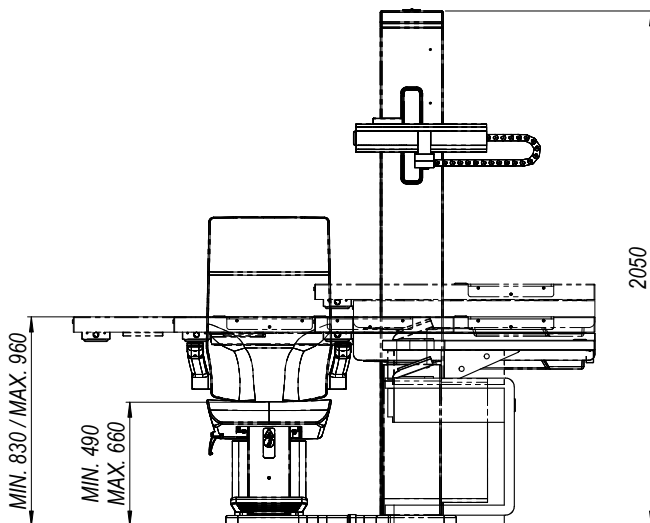
Dimensions of IS-1D



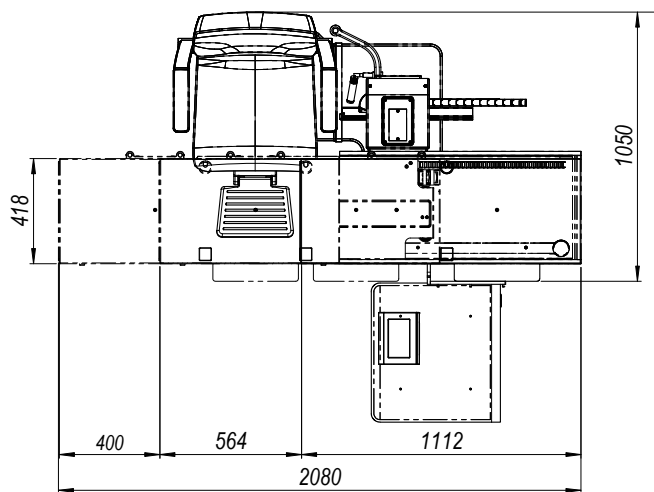
Footprint of IS-1D



Dimensions of IS-1P



Footprint of IS-1P



Specifications of IS-1 series

	IS-1	IS-1D	IS-1P
Tabletop	2 instruments	3 instruments	2 instruments
Maximum load on tabletop	40kg	40kg	40kg
Touch screen control panel	Yes	Yes	Yes
Power on tabletop	0-12V / 5A or 15V / 5A	0-12V / 5A or 15V / 5A	0-12V / 5A or 15V / 5A
Power of near vision lamp	3W LED	3W LED	3W LED
Power of room illumination	0-240V / Max. 100W	0-240V / Max. 100W	0-240V / Max. 100W
Safety stop	Yes	Yes	Yes
Minimum installation dimensions	1540 x 1635mm	1625 x 1500mm	1540 x 1935mm
Stroke elevated tabletop	790 – 920mm	790 – 920mm	830 – 960mm
Dimensions trial lens drawer	560 (W) x 483 (D) x 590 (H)mm	560 (W) x 483 (D) x 590 (H)mm	560 (W) x 483 (D) x 590 (H)mm
Inside dimensions trial lens drawer	460 (W) x 350 (D) x 70 (H)mm	460 (W) x 350 (D) x 70 (H)mm	460 (W) x 350 (D) x 70 (H)mm
Dimensions PC desk IS-1/1D	1400 (W) x 600 (D) x 740 (H)mm	1400 (W) x 600 (D) x 740 (H)mm	1400 (W) x 600 (D) x 740 (H)mm
Dimensions PC desk IS-1P	1800 (W) x 845/600(D) x 740(H)mm	1800 (W) x 845/600(D) x 740(H)mm	1800 (W) x 845/600(D) x 740(H)mm
Total power supply	220-240V / 50-60Hz	220-240V / 50-60Hz	220-240V / 50-60Hz
Maximum power consumption	1.000W	1.000W	1.000W
Free of potential contacts	Max 240V / 5A	Max 240V / 5A	Max 240V / 5A
Electrical classification	Class I, Type B	Class I, Type B	Class I, Type B
Electric protection degree	IP21	IP21	IP21
Electronic soft start system	Yes	Yes	Yes
Net weight	192kg	196kg	195kg

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IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

Not all products, services or offers are approved or offered in every market, and products vary from one country to another. Contact your local distributor for country-specific information and availability.

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