Ophthalmic unit

IS-1 Series

TOPCON®
CONNECTING VISIONS

IS-1 SERIES

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

IS-1

The newly developed ophthalmic unit IS-1 offers you a wide range of options to create a unit that full fill's all your needs on refraction, slit lamps and other instruments. The rotatable sliding table top accommodates up to two instruments and is available, as standard with elevation, to make both the practitioner and patient more comfortable. The touch screen control panel allows the user to control all movements such as chair and tabletop, dimming the room light and operating the near vision LED light. The IS-1 is available in both right and left versions as well as wheelchair accessibility version. Not less than 10 colour combinations to choose from.

- Two 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 options such as LED reading light & curtain control
- 10 colour combinations to choose from
- Cedar and Maple wood finishes
- Pc desk option
- Electro-brake for locking the tabletop (optional)
- Halogen up-light dimmable room illumination

IS-1 SERIES

IS-1D

The IS-1D is especially designed to accommodate three instruments on a rotating table top which comes as standard with two electro-brakes which are controlled by a footswitch. 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 provides a clean installation of all instruments. You can choose a single trial lens drawer or a three drawer 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.

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

IS-1 SERIES

IS-1P

Ophthalmology needs differ, and with this in mind Topcon have developed the new IS-1P parallel unit. This 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 table top. 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 meets the requirements of a busy ophthalmic practice.

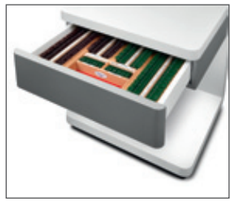
- Two instrument electrical driven parallel sliding tabletop
- IS-1P is available in a right version
- Touch screen control panel
- Automated linear phoropter arm VT-1L
- Powered elevation of table top
- Synchronized elevation of phoropter arm with tabletop
- Integrated cable management system
- Wheelchair 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 setting as the ophthalmic unit.

Trial lens drawer

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

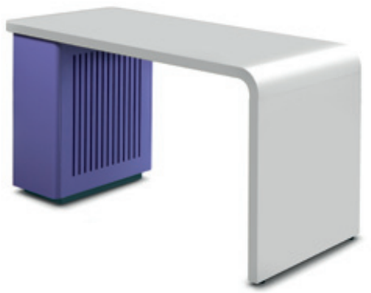


Power supply drawer

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 to the IS-1 and IS-1D unit. The desk support is a ventilated storage compartment for the pc.



IS-1P dedicated PC-desk

The IS-1P pc desk is a large desk to fit exactly with the IS-1P unit. There are various setups 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 choices

The whole IS-1 ophthalmic unit series can be composed out of no less than 10 colour combinations. The basic colour of the unit, pole and table top can be modern white or distinguished dark grey.

White RAL 9001

Dark Grey RAL 7016

The five colours are available for the finishing set of the unit, the trial lens drawer, the power supply drawer, pc-compartment and the IS-1P drawers. Among these options there are two wood finishing's available.

Dark Grey RAL 7016

Purple PMS 2726C

Silver Grey RAL 9006

Maple (wood)

Cedar (wood)

Colour images may vary from original

IS-1 SERIES COLOURS

Colour combinations

The variety of colour combinations for the IS-1 series gives you the opportunity to fit this unit in any modern optician shop or ophthalmic practice. The Cedar and Maple wood finishing gives the unit that luxuary appearance that gives your practice just that finishing touch.

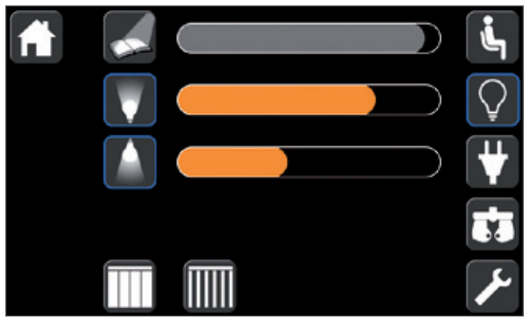
Colour images may vary from original

IS-1 SERIES STANDARD ACCESSORIES

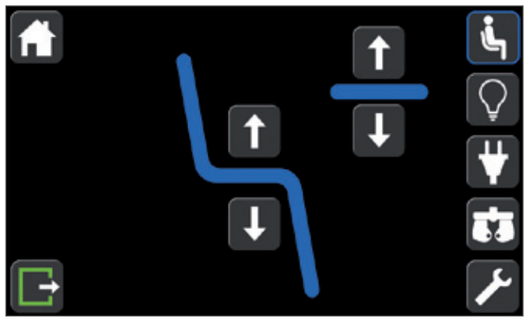
Touch screen control panel

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

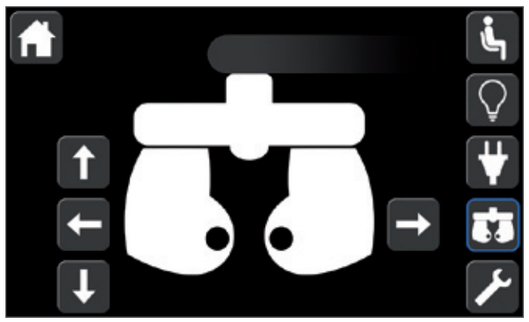
- Chair / tabletop motion
- Up-light & room illumination
- Reading LED light
- Auxiliary control
- Linear VT-1L phoropter arm
- Curtain control
- Statistics
- Settings menu



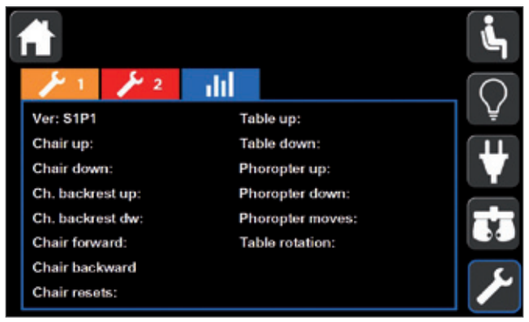
Dimming of room light and reading light by swiping the touch screen. Control of open and close of the curtains.



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



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



Cycling statistics of all movements are recorded to aid diagnostics for maintenance.

IS-1 SERIES STANDARD ACCESSORIES

Room illumination

The dimmable halogen up-lighter illuminates the room indirectly and can be dimmed by the touch screen control panel.

Safety-stop

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

Chinrest support

The IS-1 and IS-1P tabletop is equipped with a table top 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 invisibly be guided through the table top cable management system.

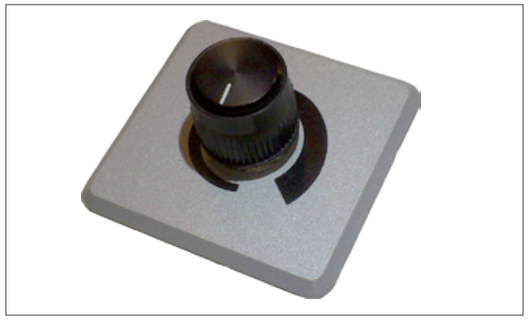
IS-1 SERIES OPTIONAL ACCESSORIES

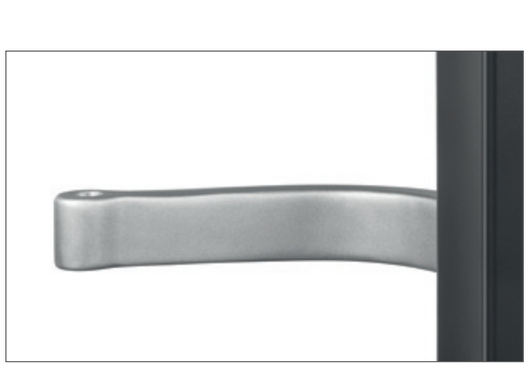
LED near vision lamp

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

Potentio meter

The optional potentiometer based on the tabletop can be used for regulating illumination dimming of any instrument which does not have illumination dimming on board.



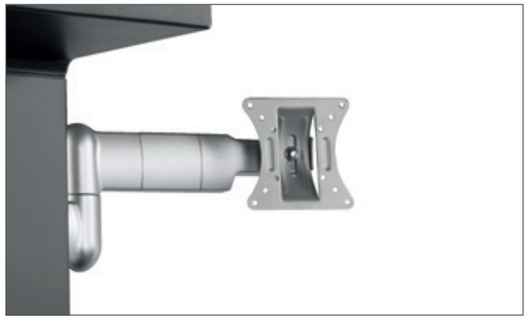


Projector support

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 counter balance 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 computerized phoropter. The cable management kit provides a clean installation. The automatic movement of the VT-1L is controlled by using the touch screen control panel.

Up/down movement

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

IS-1 SERIES OPHTHALMIC CHAIR

OC-10

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

OC-12

The OC-12 is similar to OC-10 without armrest.

OC-14

The OC-14 patient chair comes with all options, such as full leather-look upholstery, reclinable armrest, horizontal seat displacement and a large footrest.

IS-1 SERIES CHAIR ACCESSORIES

The leather look of the fabric and the double stitching in opposing colours makes the appearance of the ophthalmic OC chairs modern and professional. The armrests are made of aluminium and provide support for the patient. To complement the basic colours of the IS-1 series the OC-10 /12 and 14 are available in the colour black and white.

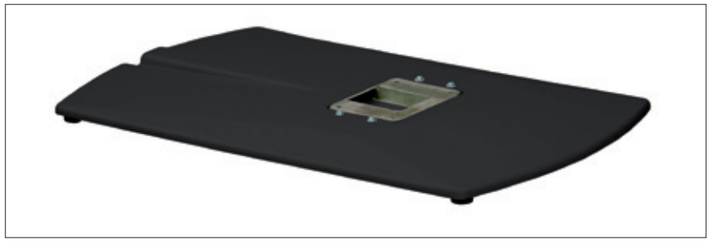
Double stitching in opposing colour

Leather look

Aluminium luxury armrest

OC-10 / 12 / 14 Optional accessories

Footrest for OC-10 /12



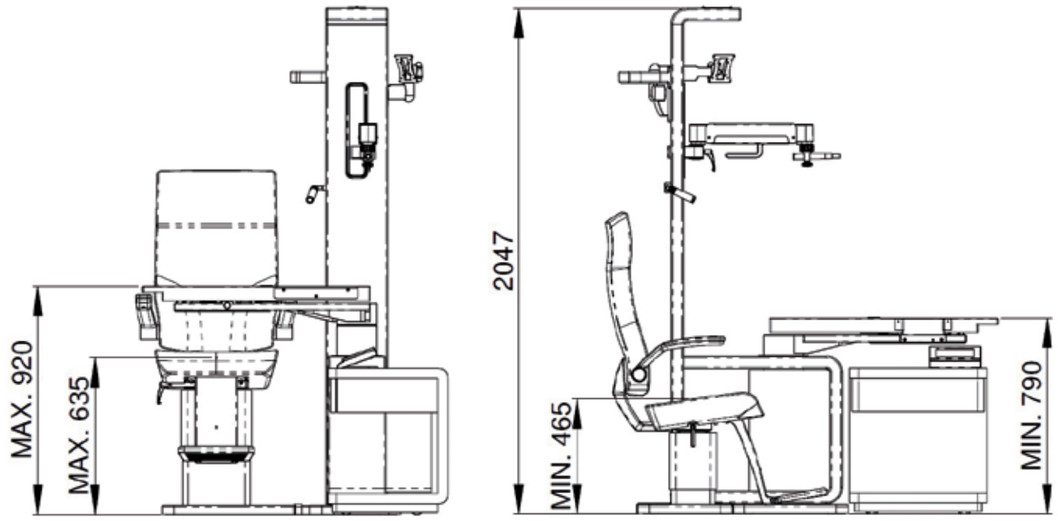
OC-10 / 12 Base plate with or without wheels
OC-14 Base plate without wheels

OC specifications

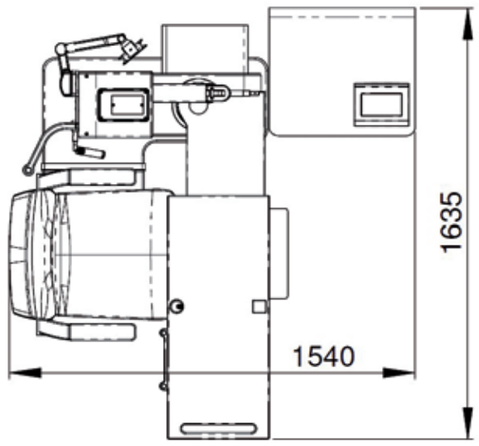
	OC-10	OC-12	OC-14
Reclining (Full)	No		Yes
Rotation	120°		76°
Foldable armrests	Yes	No	Yes
Horizontal seat displacement	optional		standard
Seat: max. / min. height in mm	465-636		490-660
Footrest	optional		standard
Base plate	possible		
Base plate with wheels	possible		not possible
Maximum load	175 Kg		
Net weight	39 Kg	37Kg	54 Kg
Max. power consumption	450W		700W
Power	230 V AC/50-60 Hz		
Electrical classification	Class I, Type B		

IS-1 SERIES DIMENSIONS

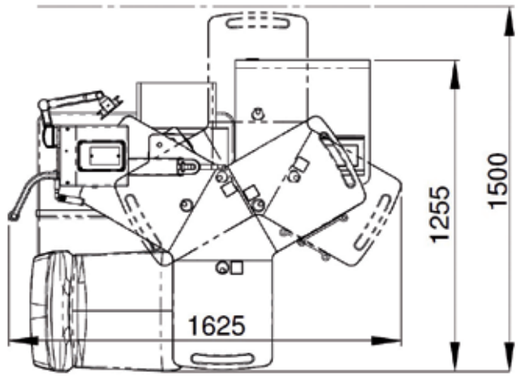
IS-1 & IS-1D dimensions



IS-1 footprint

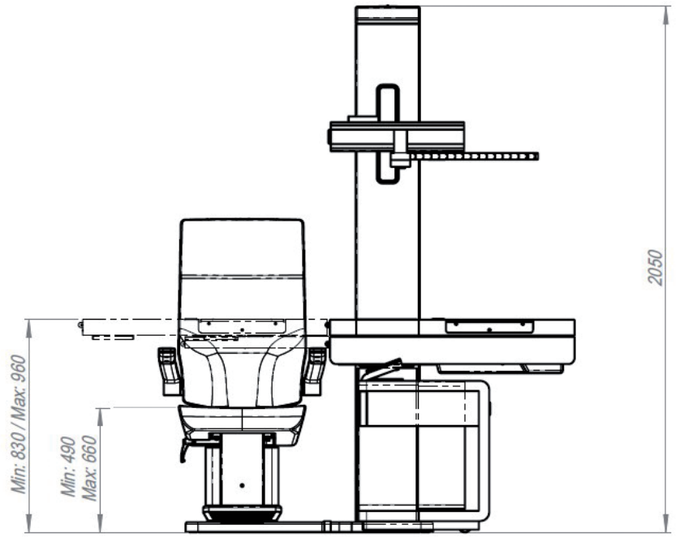


IS-1D footprint

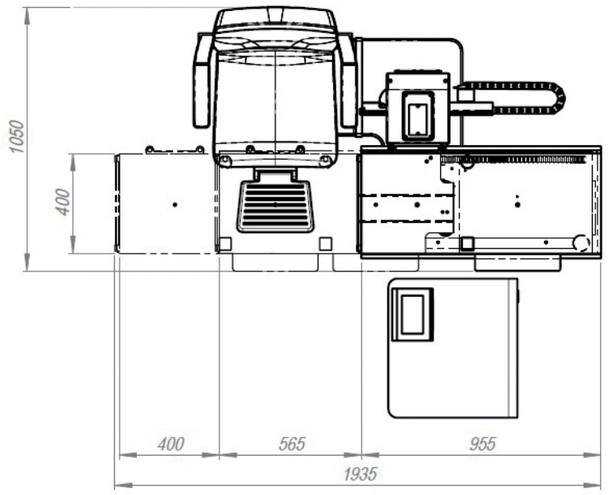


IS-1 SERIES DIMENSIONS

IS-1P dimensions



IS-1P footprint



Specifications

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

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TOPCON CORPORATION

IMPORTANT Subject to change in design and/or specifications without advanced notice.
In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

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