IS-100
PRODUCT FEATURES
REVISION 002

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CONTENTS

INTRODUCTION

This document describes the configurations, features and options for the new IS-100 ophthalmic unit.

CONFIGURATIONS

Left and Right

During installation the unit can be built into either a right or a left version.
Some sub-assemblies are pre-assembled in right configuration and need some additional work to convert when a left version is required.

No wheelchair version

There is **no** wheelchair version of this unit.

110v – 220v

The unit is prepared for both voltage systems 110v & 220v

Unit colors

The unit is available in one color setting. Only variations are the different colors of the OC upholstery, Blue and Grey
Further it is possible to change the color of the ambient LED downlight in the C-frame.

LIGHTS

Up light

The IS-100 will be provided standard with a 24V LED up light mounted on top of the column. This light can be controlled from the control panel (dimmable from 0% - 100%).

Reading light

A LED reading light can be connected to the column. This reading light has a flexible arm so the beam can be aimed easily to the correct place.
The light color is warm white.
On/off control of this light is done on the light unit itself (on the fixation on the column).

CONTROLS

The IS-100 control panel controls the following

- Chair up-down
- Switch on/off the unit (incl. all installed instruments)
- Switch on/off and regulate the up light (=dimmable with a sliding bar)
- Switch on/off the ambient led strips in the C-frame

The IS-100 control panel is a capacitive type control panel and is illuminated for good readability in dark environments.

CABLE MANAGEMENT

The IS-100 features an easy accessible cable management system under the table top. An energy chain is available to guide the cables from the table top safely into the base of the unit. This system is very similar to the IS-600 III but has better access and the opening to through the shaft of the unit is enlarged.

TABELE TOP AND INSTRUMENT POSITIONS

The table top provides space for 2 instruments and consist of colorcore material which is scratch resistant
Position 1 in general will be used to place a slit lamp. Position 2 will be used for a secondary device, such as a keratometer, tonometer or comparable devices.
A mechanical lock keeps the table in the two outer positions.

Position 1 is prepared for slit lamp installations.
A dedicated space for the sl power supply is created under the table top and fixation points for chinrest are available (The SL-2G & SL-D301 have separated chin rests and can be fixed directly to the table top).

The table top dimensions are: 880 x 386 x 53 [mm]
Table top sliding stroke is: 400 [mm]
Distance table top to floor: 859 [mm] – no table top elevation possible

SAFETY

The IS-100 has a safety mechanism under the table top. This safety stopper immediately stops the vertical movement of the chair when activated.

OPHTHALMIC CHAIRS

The IS-100 can be used with 2 models of chairs:
1. The OC-8, based on the older OC-6 but with a new lift group.
2. The OC-9, based on the older OC-66 but with a new lift group.

Both chairs are available in dark grey or blue (upholstery).

The new OC-8 and OC-9 are for now dedicated to the IS-100 as they operate at a voltage of 24v !

OPTIONS

The following options are available for the IS-100:

Trial lens drawers for IS-100

We offer two models of trial lens drawer (one color only):
1. TLD-100, a standard size trial lens drawer with a soft close system.

   Inner dimensions: 450 x 325 x 70 [mm]
2. TLD-100XL, an enlarged size trial lens drawer with a soft close system.

   Inner dimensions: 560 x 325 x 70 [mm]

Reading light (RL-100)

As an option, an LED reading light can be connected to the column. This reading light has a flexible arm so the beam can be aimed easily to the correct place.
The light color is warm white.
On/off control of this light is done with a switch on the light unit itself (on the fixation on the column).

Bracket for Topcon CV-5000S power supply

This bracket can be used in different configurations to support the CV-5000S power supply.

- It can be mounted under the trial lens drawer on the IS-100
- It can be mounted on the satellite support in combination with a KB-50S
- It can be mounted on the Trial lens drawer support

Satellite support

The KB-50S can be placed on this support.

It is possible to also mount the bracket for the power supply under this support and place the Topcon CV-5000S power supply.

Satellite support in different uses.

Trial lens drawer support (TLD-100 support)

This support can be used to have a stand-alone solution to place the trial lens drawer not fixed to the IS-100.

If wanted, the bracket for the CV-5000S power supply can be fixed too.

Trial lens drawer support in different uses.

Footrest

For the OC-8, we offer an optional footrest. This is the same footrest as used with the OC-6 chair.

VT arm

We offer two models of phoropter arm with the IS-100, the same arms which are used in combination with IS-600III.

1. VT-670, a basic VT arm with locking mechanism
2. VT-671, a basic VT arm with balance mechanism

ACP support

The ACP support is still available, same ACP-support as current existing ACP-support. Recommended however is to use the wall mount ACP support to avoid vibrations and movement of the projector.

Footswitch of OC

This optional footswitch can be connected to the IS-100 to use for up/down control of the chair. This is the same footswitch as the currently existing footswitch.

Footswitch cable for IS-100

This cable is required to connect the footswitch to the IS-100 main pcb.

Slit lamp power supply (PS-100)

This optional power supply can be used to provide power to slit lamps (and dim the power) in case no original power supply is available.

This power supply also provides 12V DC output for DC-4 connection and 5V for background illumination and/or fixation target.

For the slit lamp we offer 6 or 12 V (DC 30 Watt).

A detailed power consumption schedule is provided in the Appendix.

This power supply can be mounted under the table top with good access to its dimmer control.

SWITCHING ON/OFF INSTRUMENTS AND EXTERNAL DEVICES

The instruments on the table top can be switched on/off automatically using the rotation switch. This is optional per position.

It can be decided to switch on all instruments connected to the unit when the units is switched on.

Next to the instruments on position 1 and 2, the following items can be switched on automatically when the unit is switched on:

- CV-5000S (power supply, phoropter, KB-50)
- Chart system (CC-series, ACP or MC)

APPENDIX A

Unit power consumption

Total max. power for following combined items:

Instrument position 1	160 VA
Instrument position 2	150 VA
external devices:	230 VA

Total max. consumption:	540 VA

(this excludes power for up light, reading light, lift group e.g.)

APPENDIX B

General footprint dimensions (not final – based on dummy model)