A UNIQUE COMBINATION OF THE LATEST TECHNOLOGIES

ALM 800

THE LENSMETER WITH A TWIST

ESSILOR INSTRUMENTS

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A UNIQUE COMBINATION OF THE LATEST TECHNOLOGIES

This next-generation lensmeter measures lenses as well as the transmission of both blue-violet* and blue-turquoise light.

Using ALM 800, the eye care professional can perform accurate lens measurements with ease. Its proprietary technology enables blocking and marking in one single operation.

UV TRANSMISSION

- The measurement of UV transmission requires no additional manipulation.
- Measurement of lens power and UV transmission are simultaneously carried out and displayed on the main screen.

ERGONOMIC USE

- Simple handling
- Reactive and intuitive touch-screen interface
- Adjustable screen position
- Automatic lens recognition
- Lens support adapted to all lenses and frame curves

*Blue-violet light is between 400 and 455nm as stated by ISOTR20772:2018.

INTERPUPILLARY DISTANCE

- ALM800 also measures nterpupillary distances (1/2 and full),
- An exclusive design featuring two independent bridge supports makes operations simple, efficient, and comfortable

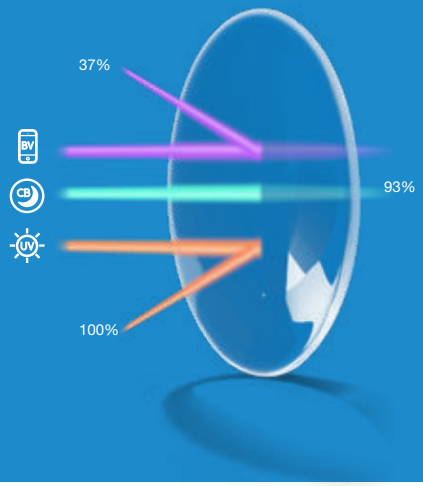
GUIDED AND AUTOMATED PRISM MARKING

- Pre-entered prism value allows an easy centering of the lenses by following the target with no additional manipulation

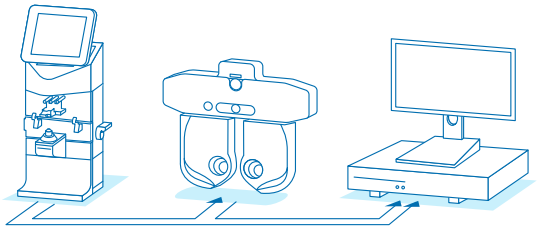
UNIQUE QUANTIFICATION AND DISPLAY OF BLUE LIGHT

An exclusive LED system that measures blue light, including:

- the transmission of circadian blue-turquoise light
- the percentage of blue-violet light and UV that is blocked



DATA TRANSFER



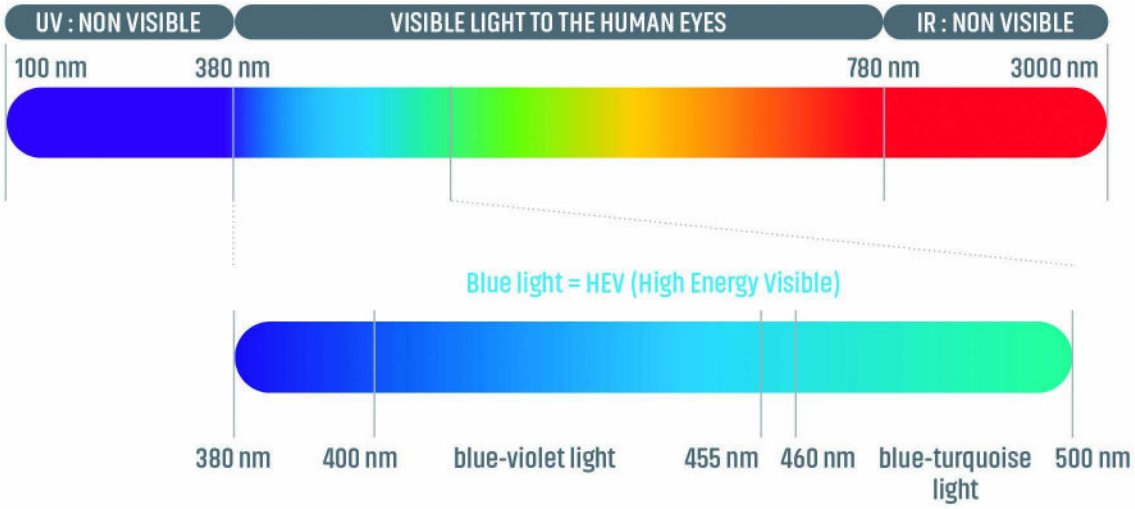
To simplify and accelerate the examination process, ALM800 can transfer the data to your automatic phoropter or patient management software (PMS).

DECODING BLUE LIGHT

Primarily emitted by the sun, blue light also comes from artificial light sources like computer or phone screens.

Blue light exists in two forms: blue-violet and turquoise blue. While blue-turquoise light is vital and beneficial for human health during the day, elevating mood and supporting our circadian rhythms, blue-violet light is potentially harmful* to the retina. Chronic exposure to blue-violet light may contribute to accelerated eye aging.

Therefore, it is important to be able to filter out the wavelengths of blue-violet light, while allowing the transmission of blue-turquoise light.



FUNCTIONS

Measurement range - Sphere | Measurement range - Cylinder | Curved lenses | Tinted lenses up to class 4 | Printer | Data transfer | Blue light

Dimension: D 6.7 in | W 8.1 in | H 18.4 in
Screen LCL color 5.7"

Weight: 9.5 lb
Power 100 to 240V - 50/60Hz - 40VA

*ISO TR 20772:2018 (p14).

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