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Focimeter calibration set

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This report contains the results of the measurements performed on a series of 12 lenses submitted by IODA s.r.l.

The series is made of 5 negative spherical lenses of nominal power $-5, -10, -15, -20, -25$ dioptres (symbol D), 5 positive spherical lenses of nominal $+5, +10, +15, +20, +25$ D, 1 cylindrical lens of nominal power Cyl $+5$ D, and 5 prismatic lens of nominal power 2, 5, 10, 15, 20 prismatic dioptres.

The spherical lenses are made of K5 glass, 25 mm in diameter; they are mounted in a plastic frame where the identification mark is engraved.

The cylindrical lens is made of C B23-59 glass, 60×40 mm² in size; the mark is engraved on the glass. The prismatic lens is made of K5 glass, 26×50 mm² in size; the mark is engraved on the glass.

The lenses are identified one by one by means of their nominal power in dioptres and their serial number.

METHOD AND MEASURING INSTRUMENTS LENSES

The ophthalmic power is obtained from the geometrical and physical characteristics of the lenses.

You can download the verification document of diopter lens power of the set N ° 085, to be displayed as an example (Set calibratio data sheet).

For more details about Focimeter calibration set see the PDF document in the right side of this page.

The technical report of focimeter calibration set has been prepared by the National Institute of Applied Optics in Florence, and it is part of focimeter set.

This document is written according to the international optical rules and each one has a progressive number, every lens of this set is measured, attesting the dioptric value of each lens, its tolerance and the method used for measurement.

The set complies with the requirements of ISO 9001 standards for the calibration of the lensmeter and is manufactured in accordance with ISO 9342.

The Focimeter calibration set is accompanied by a robust and elegant carrying case.

