



Overview

Product name	CAL4-E
Principle	An integrating sphere for testing light sources in the medical area. Using an endoscopic light source, the CAL4 can measure resolution, color, OECF, dynamic range, and noise.

Features

Integrating sphere

Diameter	300 mm
Output window	Rectangular output window, 50 mm x 50 mm, with a slot for D35-sized test charts
Uniformity of luminance in the active area	> 97%
Connection for the light source	High temperature-resistant cold-light cable
Specialties	<ul style="list-style-type: none"> • Uniform illumination over the whole chart plane • Device connected to the endoscopy light source with a fiber optic cold-light cable

Fiber-optic Cable

Diameter of the fiber bundle	4.9 mm
Length	1.8 m
Colour	Grey
Specialties	<ul style="list-style-type: none"> • High temperature resistant • XENON approved • Compatible with the most common light sources by using different adapters
Supported light sources	STORZ, ACMI, AFI, ASPEN, EDER, KLI, LUXTEC, PILLING, STRYKER, WEHMER, V. MUELLER, ZIMMER, OLYMPUS, WOLF, HSW, DYONIC, COMEG, MEDICON Others on request.



General description hardware

Dimension [W x H x D]	400 x 300 x 300 mm
Weight	3 kg
Operating conditions	Optimal: 22 - 26 °C
Warm-up time	Depending on the endoscope and light source
Scope of delivery	CAL4 integrating sphere (without light source), four adapters for different types of light sources, high temperature resistant cold-light cable