

Major Equipment

The following are major resources in ORLAB. If your testing and calibration needs are not explicitly covered in the other sections, you may see the appropriate equipment here.

[Contact us](#) for further details

For photometry and colorimetry

Varian Cary 5000 UV-Visible-NIR spectrophotometers (2) with diffuse reflectance attachment and universal measurement attachment.

Perkin Elmer FTIR spectrophotometer with reflectance attachment.

Optronik (X-Rite) model SMS μ 10 type A/ α goniophotometer. Detectors at 3.152 m (automotive), 8 m (traffic signals) and 10m (RMS 10 retroreflectivity attachment)

Everfine model GO-2000A type B/ β and C/ γ goniophotometer with spectroradiometer.

Alex Wright & Co 1m integrating sphere with auxiliary source.

RTA 530mm integrating sphere adapted for spots and downlights.

Topcon SR-3 and **Photo Research PR-730** telespectroradiometers

Optronic Laboratories OL-750 spectroradiometer

Set of 12 **BCRA colour tiles** calibrated by National Physical Laboratory, UK and white tiles calibrated by National Research Council, Canada.

Set **BYK Gardner Gloss reference tiles** calibrated at BAM, Germany.

Set **BYK Gardner haze references** calibrated at National Physical Laboratory, UK

Set of **illuminance** and set of **spectral irradiance standard lamps** calibrated by National Measurement Institute, Australia.

Set of **reference filters** calibrated by National Research Council, Canada.

For ophthalmic materials testing

Telescope complying with EN 167 *etc*

BYK Gardner Hazemaster

SUGA HZ-V3 hazemeter

Drick WGT-25 hazemeter

EN167 light diffusion

Tomey TL-3000B automated focimeter

Topcon CL-200 automated focimeter

Nidek LM-1800 automated focimeter with Di-check option

JMOIA Precision lens set (spheres and prisms) and **custom made cylindrical and near plano lenses** calibrated by National Physical Laboratory, UK.

Inspec Abrasion resistance (including ISO 12311) (falling sand)

Inspec Dust tightness

Inspec Resistance to molten metal

UGA HZ-V3 hazemeter

Drick WGT-2S hazemeter

Tomey TL-3000B automated focimeter