

Certification

About

Conformity of the Measuring System

opsira robogonio

Installed at:

OPSIRA GmbH
Leibnizstraße 20
88250 Weingarten
GERMANY

Including the components:

1. Control unit of the measuring system robogonio, in combination with user software gonio V250915
2. Goniometer opsira robogonio No. LG 0070112
3. Signal channel in 10,5m, consisting of
 - photometer unit frc-f-I No. 140105 and
 - photometer head Ø8mm No. 140105
4. Color channel in 3m, consisting of
 - measuring unit spr'3 No. S0535013

Date of Check-up:

25 November 2015

Hereby it is declared that the Measuring System including the listed components is in accordance with the corresponding requirements of „*Photometry Laboratory Accuracy Guidelines*“, given by Group Photometry, part of *Groupe de Travail „Bruxelles 1952“ (G.T.B.)* for measurements according to Regulations of Economic Commission for Europe (ECE).

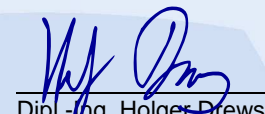
The system components fulfil the specific conditions of ECE-Regulations for measurements of signal lamps and headlamps.

On the basis of the verification inspection procedure employed, only the validity of the colorimeter for the signal color areas white, yellow, red and blue against thermal radiators has been confirmed.

Description of the measuring system and the detailed results of the system check-up are given in the Technical Report No. 53507553. This Certification is valid until the fourth quarter 2016.

Berlin, 1 December 2015


Dr.-Ing. Heiko Herzberg
Deputy Head of Laboratory


Dipl.-Ing. Holger Drews
Test Engineer

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Note: This certification is part of the full test report and should be read in conjunction with it.

The test laboratory having carried out testing services which are object of this certification in conjunction with technical report is accredited by the DAkkS Deutsche Akkreditierungsstelle GmbH for performing these testing services according to DIN EN ISO/IEC 17025. The accreditation is valid for the testing procedures listed in the certificate. This certification in conjunction with technical report shall be reproduced and published in full by the client only. It shall however be reproduced partially with the written permission of the Testing Laboratory only.