FEASA™ RGB LED Analyser

Test Solution for RGB LEDs

Introduction

Feasa's RGB LED Analyser has been designed to test RGB LEDs on:-

Automotive interiors	Dashboards
Backlight Displays	Backlight Switches
Door Panels	Footwells
Roof Lighting	Mood Lighting

Feasa's RGB LED Analyser is the ideal solution for these applications.

Tests for:-

- Intensity
- RGB Color mixing.
- xy Chromaticity
- Dominant Wavelength
- CCT
- RGB Module calibration
- Wide dynamic range for indoor lighting

[Feasa RGB Led Analyser](#)

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SPECIFICATIONS

ACCURACY
xy Chromaticity

±0.01 @ x =0.33, y=0.33[1]

Immediately after Calibration with a known source

OPTICAL
Minimum Luminance
Maximum Luminance

< 0.5 cd/m²
< 1,000,000 cd/m²

REPEATABILITY
xy Chromaticity
Intensity

±0.002
<1%

ELECTRICAL
USB Powered
Serial, RS232, Daisy Chain

5V, 80mA

PHYSICAL
Dimensions of 6 Channel
Dimensions of 10 Channel

104.5mm x 54mm x 46mm* (L x W x H)
145mm x 54mm x 56mm* (L x W x H)

* does not include bend radius of Plastic Optical fiber

Fiber Length
Fiber Diameter
Minimum Bend Radius of Fiber

600mm
2.2mm, incl. Cladding
30mm

Operating Temperature Range

0°C to +50°C

SOFTWARE
GUI provided
Sample command line interface
C, C++ applications, examples
dll, labview® support

ORDERING INFORMATION

Feasa 3 Channel RGB Analyser	Part No.:Feasa 3-RGB
Feasa 6 Channel RGB Analyser	Part No.:Feasa 6-RGB
Feasa 10 Channel RGB Analyser	Part No: Feasa 10-RGB
Optical Heads	Part No: available upon request

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