



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
Backlight Displays
Door Panels
Roof Lighting

Dashboards
Backlight Switches
Footwells
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

$< 0.5 \text{ cd/m}^2$

Maximum Luminance

$< 1000 \text{ cd/m}^2$

REPEATABILITY

xy Chromaticity

± 0.002

Intensity

$< 1\%$

ELECTRICAL

USB Powered

5V, 80mA

Serial, RS232, Daisy Chain

PHYSICAL

Dimensions of 6 Channel

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

Dimensions of 10 Channel

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

** does not include bend radius of Plastic Optical fiber*

Fiber Length

600mm

Fiber Diameter

2.2mm, incl. Cladding

Minimum Bend Radius of Fiber

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 Low Light Analyser
Feasa 5 Channel Low Light Analyser
Feasa 6 Channel Low Light Analyser
Feasa 10 Channel Low Light Analyser
Optical Heads

Part No.:Feasa 3-RGB
Part No.:Feasa 5-RGB
Part No.:Feasa 6-RGB
Part No: Feasa 10-RGB
Part No: available upon request



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