



FEASA™ Automotive Display Testing

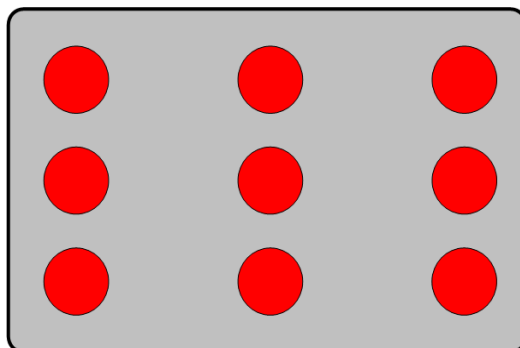
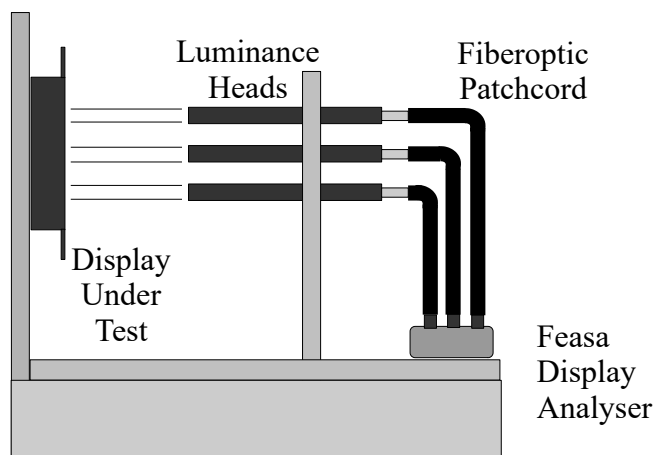
Testing of Flat Panel Displays for Automotive Applications



The Feasa Display Analyser is an ideal solution for testing Automotive Displays. It is capable of testing the luminance, chromaticity and contrast ratio of displays.

The Display Analyser comprises Detector Heads, Fiber Patch Cords and a multichannel Sensing Module. Up to 10 channels per Display Analyser Module are available for testing. Multiple modules can be “daisy-chained” together to increase the number of channels.

When used with the Feasa Spectrometer and Luminance Head, the Display Analyser can be calibrated in the fixture. Alternatively the Display Analyser can be calibrated from a known good display.



Feasa Enterprises Ltd.

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SPECIFICATIONS

PARAMETERS TESTED Maximum Luminance Minimum Luminance Contrast Ratio Display Homogeneity Chromaticity	<1,000,000 cd/m ² ,0.5 cd/m ² 200,000 : 1 cd/m ² x, y
ACCURACY (RGB backlit @0.333, 0.333) Luminance (cd/m ²) xy Chromaticity	< 15% ($\pm$ 4% Illuminant A) ± 0.01 @ $x = 0.33, y = 0.33$ ¹ *Immediately after Calibration with a known source
REPEATABILITY Chromaticity xy Intensity	± 0.002 < 1%
ELECTRICAL USB Powered Serial, RS232, Daisy Chain	5V, 80mA
PHYSICAL Dimensions – Display Analyser 10D Dimensions – Display Analyser 6D, 3D Dimensions – Display Luminance Head Fiber Length & Fiber Diameter Minimum Bend Radius of Fiber Operating Temperature Range	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 127.5mm x 12.1mm Diameter 0.6m & 5.2mm, incl. cladding 25mm 0°C to +50°C
SOFTWARE GUI provided Sample command line interface C, C++ applications, examples dll, labview® support	

ORDERING INFORMATION

Feasa Display Analyser Feasa Display Luminance Head Feasa Display Patch Cords (SMA to SMA)	Part No.: Feasa 10-D2 or 06-D2 or 03-D2 Part No.: Feasa LU07 Part No: Feasa FP05
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