



FEASA™ Automotive Display Testing

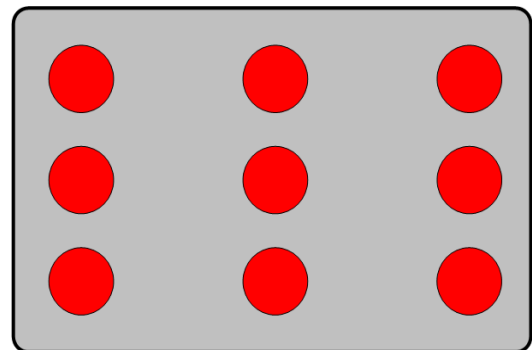
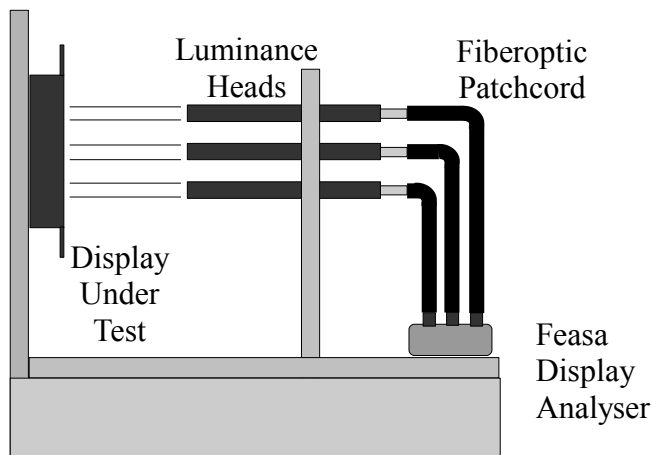
Testing of Flat Panel Displays for Automotive Applications



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	10,000 cd/m ²
Minimum Luminance	0.01 cd/m ²
Contrast Ratio	200,000 : 1
Display Homogeneity	cd/m ²
Chromaticity	x, y
ACCURACY (RGB backlit @0.333, 0.333)	
Luminance (cd/m ²)	< 15% (± 4% Illuminant A)
xy Chromaticity	±0.01 (± 0.006 Illuminant A)
REPEATABILITY	
Chromaticity xy	±0.0030
Intensity	< 1%
ELECTRICAL	
USB Powered	
Serial, RS232, Daisy Chain	Current drawn 60mA
PHYSICAL	
Dimensions – Display Analyser 10D	124mm x 57mm x 75mm
Dimensions – Display Analyser 6D, 3D	86mm x 57mm x 55mm
Dimensions – Display Luminance Head	127.5mm x 12.1mm Diameter
Fiber Length	0.6m
Fiber Diameter	5.2mm, incl. cladding
Minimum Bend Radius of Fiber	25mm
Operating Temperature Range	0°C to +40°C
SOFTWARE	
GUI provided	
Sample command line interface	
C, C++ applications, examples	
dll, labview® support	

ORDERING INFORMATION

Feasa Display Analyser	Part No.: Feasa 10D, 6D, 3D
Feasa Display Luminance Head	Part No.: Feasa DL07
Feasa Display Patch Cords	Part No.: Feasa FP02



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