

FEASA™ LED ANALYSER



LED TESTING JUST GOT EASIER

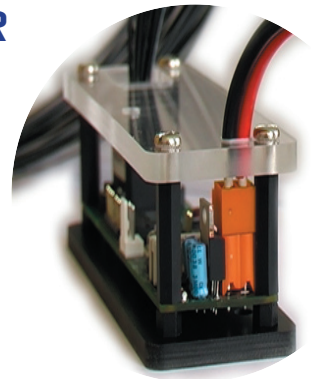
The Feasa LED Analyser allows fast and automatic testing for both the Color and Brightness (Intensity) of Light Emitting Devices (LEDs).

The Analyser is fast, low cost, easy to use, tests up to 20 LEDs simultaneously and exhibits excellent discrimination between different colors.

The Feasa Analyser provides a very economical solution for your LED Testing needs.

The LED Analyser is used in the following applications:

- PCB LED Testing
- Automotive Dashboard LEDs
- Switches with LED Backlighting
- Indicating LEDs
- Automotive LEDs and Brake Lights
- Mobile Appliances and Cellphones
- Traffic Signals
- Industrial and Medical
- Backlighting and Projection
- LCDs and TFT Displays



FEATURES

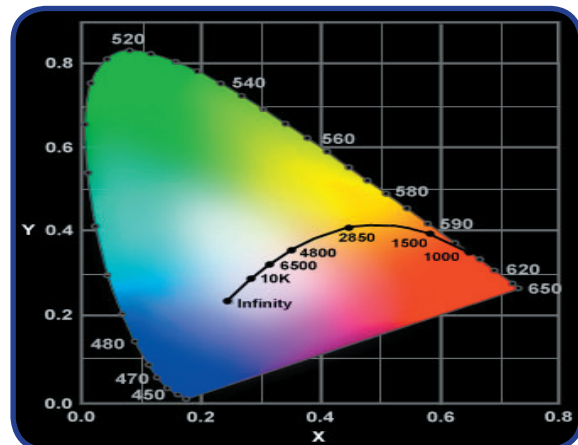
- Test up to 20 Leds Simultaneously
- Test Standard, High and Low Brightness Leds
- Test 7 segment display
- Functional and Incircuit Test
- Test White Leds
- Uses Flexible Plastic optic fibers for ease of installation
- Low intensity testing.

BENEFITS

- Fast and accurate LED Color and Intensity Measurement
- Test up to 20 LEDS in < 1 second
- Low Cost
- Simple setup and easy to use
- No operator intervention required

ADDITIONAL INFORMATION

- Easy to Program
- Models available for different LED intensities
- Agilent 3070 and ICT Testing
- Free Software Included
- Full Technical support provided
- Excellent Repeatability



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SPECIFICATIONS

Physical

- Board Dimensions 45mm x 116mm x 30mm (W x L x H)
- Fiber Length 0.6m
- Fiber Diameter 1.0mm
- Number of Fibers 5, 10 or 20
- Operating Temperature Range 0°C to +70°C

Electrical

- Supply Voltage 5.0V
- Supply Current 150 mA
- Serial Interface RS232 115,200 baud (max) 57,600 baud (Default)
- Parallel Interface 5 Address, 1 Data, 2 Handshaking (For ICT)
- RS232 Data Format Relative Intensity
- (Functional) RGB
- Hue & Saturation (Color)
- Dominant Wavelength
- XY Chromaticity (For White LEDs)
- Output Data Format Hue, Color (Frequency)
- (ICT) Intensity (Frequency)

Optical

- Red Peak Efficiency Wavelength 610 nm
- Green Peak Efficiency Wavelength 540 nm
- Blue Peak Efficiency Wavelength 480 nm
- Total Operating Wavelength Range: 420 nm to 650 nm for color
- Infra-Red detection up to 950nm

Accuracy

- White $x = \pm 0.015, y = \pm 0.015$
- Red (630nm) $\pm 4\text{nm}$
- Green (540nm) $\pm 6\text{nm}$
- Blue (470nm) $\pm 4\text{nm}$