

# FEASA™ Infrared(IR) LED Analyser

## Applications

### **Automotive**

- Rain Sensors
- Lane Departure
- Collision Avoidance
- Blind Spot Detection
- Number Plate Recognition
- Lidar

### **Security**

- Infrared Illumination

### **Industry & Education**

- Interactive Whiteboards



The Infrared LED Analyser measures the wavelength and relative power of Infrared LEDs' and sources. It has been designed to work in a manufacturing environment where reliability and throughput is a requirement. The OH-8IR Optical Head is used in conjunction with the Analyser to ensure stability of measurement.

Choice of Glass or Plastic Optical Fiber (depending on LED under test)

Operating Range 700nm to 950nm

Excellent Repeatability for Wavelength & Intensity

Ideal for Automotive Sensing, Security & Surveillance Applications

Available in 3 , 10 and 20 Channel Models

Comprehensive package includes Feasa User Software and Labview Drivers.

## AVAILABLE INTERFACES

**USB 2.0** – The LED Analyser can be powered from this port.

The **RS232 Serial Port** is easy to use. It requires the use of an external power supply and has programmable baud rates.

### **Daisy Chain**

Multiple LED Analysers can be connected together using the Daisy Chain Connectors.



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# FEASA™ Infrared(IR) LED Analyser

## SPECIFICATIONS

<b>OPTICAL</b> Total Operating Wavelength Range	700nm to 950nm
<b>ACCURACY</b> Wavelength 700nm to 750nm Wavelength 751nm to 900nm Wavelength 901nm to 950nm	± 30nm ± 10nm ± 20nm
<b>REPEATABILITY</b> Wavelength Intensity	< 1nm < 1%
<b>ELECTRICAL</b> Supply Voltage Supply Current	5.0V 180mA
<b>PHYSICAL</b> Dimensions of 3, 10 Channel Dimensions of 20 Channel Fiber Length Fiber Diameter, Glass Fiber Diameter, Plastic Minimum Bend Radius of Glass Fiber Minimum Bend Radius of Plastic Fiber Operating Temperature Range	86mm x 57mm x 55mm 127mm x 57mm x 55mm 0.6m 1.04mm 1mm 50mm 15mm 0°C to +50°C

## ORDERING INFORMATION

<b><u>Wavelength 700nm to 950nm</u></b> Feasa 3 Channel Infrared LED Analyser, Glass Fiber Feasa 10 Channel Infrared LED Analyser, Glass Fiber Feasa 20 Channel InfraredLED Analyser, Glass Fiber	Part No.: Feasa 3IR Part No.: Feasa 10IR Part No.: Feasa 20IR
Feasa 3 Channel Infrared LED Analyser, Plastic Fiber Feasa 10 Channel Infrared LED Analyser, Plastic Fiber Feasa 20 Channel Infrared LED Analyser, Plastic Fiber	Part No.: Feasa 3RP Part No.: Feasa 10RP Part No.: Feasa 20RP
Optical Head Infrared(IR) LED Analyser	Part No.: OH-8IR



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