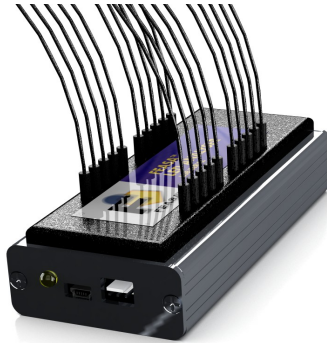




FEASA™ LED Life Tester

LED Temperature Testing from -65°C to +125°C

The Innovative Solution for Testing LEDs



- Profile LEDs in a Temperature Chamber
- Continuous monitoring while inside the Chamber
- Record Colour & Intensity Data
- Detect Colour & Intensity changes
- Temperature Range -65°C to +125°C

Feasa's LED Life Tester offers accelerated testing and monitoring of LEDs from -65°C to +125°C.

The Fiber used in the tester has been specially selected and prepared for use at temperatures between -65°C to +125°C. The Feasa Optical Heads have been designed to withstand extreme temperatures. The Tester must be placed outside the Temperature Chamber and the LEDs are placed inside the chamber during the Life Time Test. The optical fibers extend from inside the chamber to the Tester located outside the chamber.

AVAILABLE INTERFACES

USB offers a very simple interface to the LED Analyser with no requirement for an additional power supply. Very high baud rates, up to 921600 baud, are available, default is 57600.

The **RS232 Serial Port** is easy to use with a maximum baud rate of 115200. It requires the use of an external 5V @ 200mA power supply.

Daisy Chain

Multiple LED Analysers can be connected together using the Daisy Chain Connectors. Only one RS232 Serial Port or USB Port is required to connect up to 30 LED Analysers.

TEST SOFTWARE

The Test Software has the ability to continuously test LEDs at fixed time intervals. Test Data can be saved to a hard drive for later retrieval and analysis.

The Test Software can be configured to send an email on error and also at the end of a test sequence.



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SPECIFICATIONS

OPTICAL	
Total Operating Wavelength Range	450nm to 650nm
ACCURACY	
Dominant Wavelength(after adjustment)	± 2nm
Correlated Color Temperature	± 200K @ 2856K
Chromaticity(after adjustment)	± 0.01 @ x=0.33, y=0.33
REPEATABILITY	
Dominant Wavelength	± 1nm
Correlated Color Temperature	± 50K @ 2856K
Chromaticity xy	± 0.0015
Hue	< 1
Saturation	< 1%
Intensity	< 1%
ELECTRICAL	
Supply Voltage	5.0V
Supply Current	180mA
PHYSICAL	
Dimensions of 3, 5, 10 Channel	104.5mm x 54mm x 39mm*
Dimensions of 20 Channel	145mm x 54mm x 39mm*
Fiber Length	1.0m Glass
Fiber Diameter	1.1mm, incl. Cladding
Minimum Bend Radius of Fiber	50mm
Operating Temperature Range(Fiber & Optical Head)	-65°C to +125°C
Operating Temperature Range of Analyser	0°C to 50°C

* does not include bend radius of fiber.

ORDERING INFORMATION

Feasa 5 Channel LED Life Tester	Part No.: Feasa 5LT-125
Feasa 10 Channel LED Life Tester	Part No.: Feasa 10LT-125
Feasa 20 Channel LED Life Tester	Part No.: Feasa 20LT-125
Optical Head LED Life Tester	Part No.: OH-7LT



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