

Steropes-LED

lightsource

Colour measurement according the human eye



The Steropes light source has been designed for applications where long term stability of the light source is needed. The Steropes features an internal optical regulating circuit which keeps light output stable at all times. The Steropes light source can be controlled via USB or operated without a PC. The light output level can be programmed for stand alone use and the on/off switch can be deactivated by software. Like all Admesy devices, the Steropes is a USBTMC compliant device.

Highlights:

- **available in R, G, B and Natural White**
- **PC controlled or stand alone operation**
- **self regulating light source**
- **ultra fast stabilisation**
- **linear output**
- **long term stability**

Fields of applications:

- **translucent plastics**
- **translucent coatings**
- **translucent liquids**
- **glass**
- **LCD's**
- **linearity calibration**



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System features:

lighting system

LED	LED is used as a lighting system. Available in R, G, B and Natural White
Light output	Light output can be set from 0.0 to 100.0% in 0.1% steps
Self regulating	The light source regulates itself. The accuracy is 0.1% over lifetime and temperature
Stabilisation time	Smaller then 10ms. Accuracy is 0.1%
Lifetime	> 20.000 hours

Interfaces

USB 2.0	USBTMC compliant, SCPI command set, full speed device
RS232	Same command set as USB
Trigger IN	5V compliant
Trigger OUT	5V compliant

Size

LxWxH	54.6x55x98 mm
Mounting	4xM4 threat holes on bottom plate and 2xM4 threat holes on the front side fiber connection possible

Power ratings:

Parameter	Min voltage	Typ. voltage	Max voltage	Consumption
USB powered	4.75V	5.00V	5.25V	Max. 350mA
DC-adapter powered	8.50V	9.00V	10.00V	Max. 600mA
GPIO powered	8.00V	9.00V	10.00V	Max. 600mA

