

LED

Actuator Data Sheet

LED 24042015

SPECIFICATIONS

- > **Color:** Red
- > **Consumption:** ~10mA

FEATURES

- > Onboard current-limiting resistor
- > Shielded miniaturized cables
- > Small form factor
- > Easy-to-use

APPLICATIONS

- > Synchronization with video camera
- > Optical marking
- > Visual feedback

GENERAL DESCRIPTION

The LED is typically used to provide visual feedback to the user. A common need when working with biosignals is the synchronization of the recorded data with external recording devices (e.g. a video camera). If applied to a camera lens, the LED sensor can be used to introduce common markers in the recording, hence providing a synchronization source. The LED sensor can also be useful for optical synchronization with third-party devices (provided that the third-party device has a photo detector), in applications where it is important to have electrical decoupling between devices.

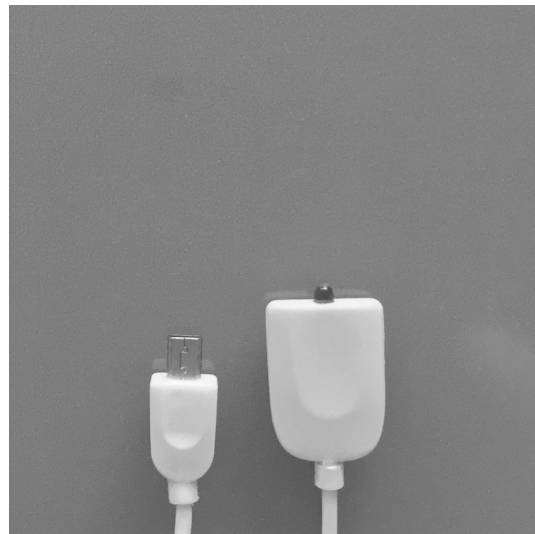


Fig. 1. Miniaturized form factor for improved ease-of-use.



Fig. 2. LED used on a camera lens for synchronization.

biosignalsplux
wearable body sensing platForm

PLUX – Wireless Biosignals, S.A.
Av. 5 de Outubro, n. 70 – 8.
1050-059 Lisbon, Portugal
plux@plux.info
<http://biosignalsplux.com/>

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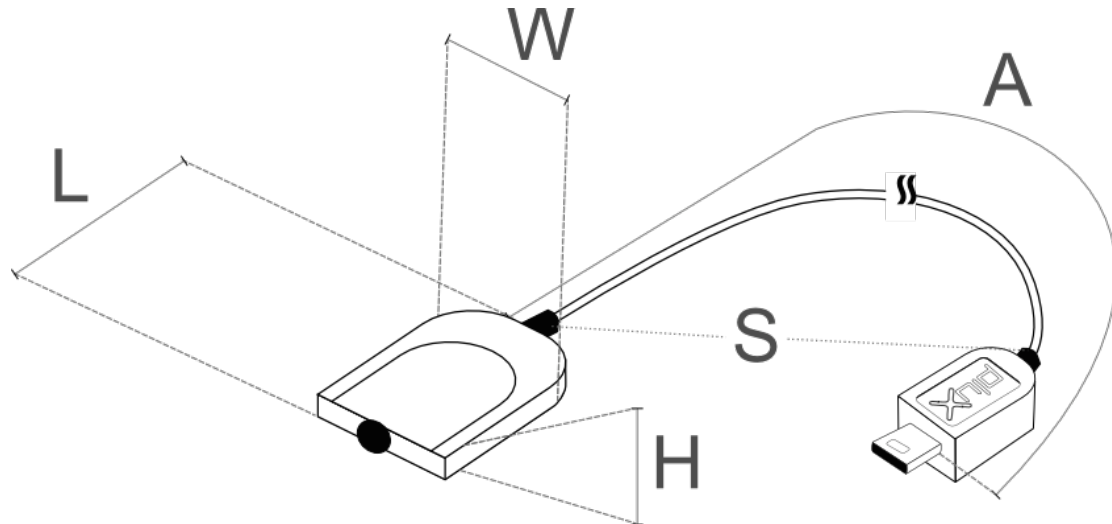
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PHYSICAL CHARACTERISTICS

> **W x L x H:** 1.0x1.8x0.4cm

> **A:** 105.0±0.5cm

> **S:** White, Black, Blue, Green, Red, Yellow, Gray, or Brown



ORDERING GUIDE

Reference	Package Description
LED1	LED actuator in a standard configuration
LED1-A-S	LED actuator built with custom lengths A and custom sleeve color S; for standard physical characteristics in A or S use 0. Examples: > LED2-200-0: LED actuator with a 200cm cable A and random sleeve color > LED2-0-Yellow: LED actuator with a standard cable size A and a yellow cable sleeve > LED2-50-Red: Fully custom LED actuator with a 50cm cable A and a red cable sleeve