



LoLA

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LoLA

The Lab Controller LoLA is a compact benchtop device specially designed for the calibration and validation of all digital sensors from the SEPIA product portfolio.

It offers a controlled laboratory environment in which each sensor can be calibrated with the highest precision before use on site. In addition, the device is ideal for stand-alone use in the laboratory, enabling precise measurements and efficient workflows.

LoLA allows direct connection of up to three sensors for consecutive or parallel calibration steps. Each connection automatically recognizes the connected sensor and loads the corresponding calibration sequence. The device enables easy data transmission to PCs, laptops or other management systems. Calibration data, sensor metadata and diagnostic reports can be quickly exported for documentation, quality assurance or integration into customer databases.

A clear, integrated display provides immediate visual feedback during the measurement: thanks to the color coding of the handpieces, you can monitor measured values, stability indicators and calibration curves at a glance in the user-friendly and intuitive software environment.

Advantages

- Three USB-C sensor ports
- USB data exchange and seamless system integration
- Compact display for real-time feedback
- Intuitive, guided software

Applications

- Calibration and validation of all digital sensors from the SEPIA product portfolio
- Other laboratory applications

Rear panel connections LoLA



Technical specifications

Desktop device

| | |
|-----------------------------|-----------------------------------|
| Power supply | USB PD rev 2.0 (up to 20 V/1.5 A) |
| Power consumption | max. 30 W |
| Protection class | CLASS III |
| Overvoltage category | I |
| Connection port | USB Type-C rev 1.2 |

Power supply unit

| | | |
|-----------------------------|---------------------------------|---|
| Type | USB Type-C plug-in power supply | |
| Power supply | Power input | 100 - 240 VAC, 50 - 60 Hz |
| | Power output | USB PD (5 V/3 A; 9 V/3 A; 12 V/2.5 A; 15 V/2 A; 20 V/1.5 A) |
| Power consumption | max. 30 W | |
| Protection class | CLASS II | |
| Overvoltage category | I | |
| Connection | Input | Euro plug (CEE 7/16, type C) |
| | Output | USB Type-C |

Sensor interfaces

| | | |
|-------------------|------------------------|-------------------------------------|
| Connection | 3 x USB Type-C rev 1.2 | |
| Standard | Power supply | USB PD rev 2.0 |
| | Data | USB 2.0 host explicitly for sensors |
| Protocol | SEPIA | |

Network/USB

| | |
|------------|--|
| USB | USB Type-C rev 1.2, USB PD rev 2.0, USB 2.0 Host |
|------------|--|

Switching input/output

| | |
|-------------------------|---|
| Optical display | 3.5 inch capacitive color touch display, 320 x 480 pixels |
| Memory | Internal SD card, 8 GB |
| Data export | via USB |
| Acoustic display | Buzzer |

Operating conditions

| | | |
|-------------------------------|---------------------------------------|------------------------|
| Operating temperature | 0...+40 °C | ~ +32 to +104 °F |
| Storage temperature | -20...+70 °C | ~ -4 to +158 °F |
| Relative humidity | 0...95 % (non-condensing) | |
| Degree of protection | IP65 | |
| Dimensions (W x H x D) | 110 x 95 x 96 mm | ~ 4.3 x 3.7 x 3.8 " |
| Weight | ~ 290 g (without power supply) | ~ 0.64 lbs |
| Housing material | Housing | Aluminum EN-AW 5083 EQ |
| | Display frame | Plexiglas |
| | Touch field | "Power button: PET |
| Housing colors | Midnight blue, Satin black, Magma red | |