PRODUCT LEAFLET

LABRAIL WITH LABSPION

The rail solution allows easy repositioning of the sensor. The sensor travels securely on the up to 16 m long rail along the optical axis. Once the light source is in place there is no need for further alignment of the sensor.

GO ANYWHERE IN 5 SECONDS

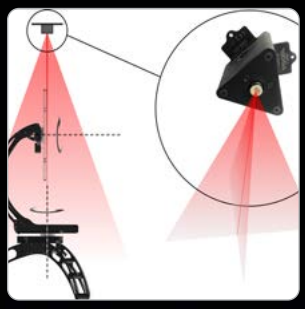
- Works seamlessly with LabSpion
- Never measure distance manually again
- Repositioning of sensor in only 5 seconds
- Perfect alignment every time
- No cables
- Free your floor space
- Automatic positioning
- Easy suspension from ceiling

The standard rail is 12 m long and secures optimal alignment every time

Upgrade your LabSpion: Replace the tripod with a LabRail system

The LabRail connects to the LabSpion mainboard with a single ethernet cable

Includes a Viso LabTarget vertical laser alignment unit



The integrated laser measures the distance to the light source automatically

Viso Systems - Vesterbrogade 12, 1. - 1620 Copenhagen V - Denmark - www.visosystems.com - info@visosystems.com - Tel. +45 36991882

SPECIFICATIONS

VISO SYSTEMS

Link to website

Link to user manual

KEY ADVANTAGES

- Ideal for LabSpion with any sensor. The LabRail system combines a full-size goniometer with a rail-based sensor system
- Keeps your spectrometer sensor perfectly aligned with the optical axis at all times
- Makes it super-easy to optimze the distance from the sensor to the goniometer according to CIE S 025/E:2015 guidelines and optimize the signal-to-noise ratio
- Sensor movement along the rail is motorized
- Ascertains that distance input to data processing is always correct
- Distance can be set via the software and the sensor will fly into position
- All power feed and data transfer goes through the rail itself. No loose cords
- Owners of LabSpion systems may replace the standard tripod arrangement with the rail system upgrade kit.

INSTALLATION

- Install the LabSpion goniometer and the Light Inspector software according to instructions
- 12 meters (8 x 1.5 m) of rail is standard - but both shorter and longer rails are available
- Connect all rail sections with the brackets
- There are two installations methods: Either with brackets directly on the ceiling, or with a wire system
- Installation **with wires:** Hook the suspension steel wires to your lab ceiling (12 m rail equals 9 wire sets and 18 hooks). Suspend the rail from the wire via griplock wire fasteners (3-4 persons needed). Level the rail and cut off excessive wire ends. Cross every other wire set to stabilize sideways
- Installation **without wires**: Mount the installation brackets directly on your ceiling structure. Attach the rail system to the ceiling brackets, and carefully adjust to make straight and level.
- Install the power/data injector unit at on end of the rail and connect to standard sensor input on the goniometer base with the Ethernet cable
- Install sensor dolly on the rail and fix rail end stop
- Install the LabSensor on the dolly on the expandable arm. Expand/retract arm to level with the optical axis of the goniometer.
- Make a measurement

TECHNICAL SPECIFICATIONS

Sensor distance range	**35 cm to 12,000 cm (standard)**
Sensor distance setup	**Automatic**
Power supply input	**90 to 260 VAC, 50/60 Hz**
Power	**8 W idle / 90 W peak**

A standard LabRail set consists of:

- **8 pcs black anodised aluminium rail sections, each. 1.5 m**
- **7 pcs black powder coated rail connectors**
- **1 pcs rail end**
- **1 pcs power/data injector unit**
- **1 pcs dolly with expandable arm**
- **1 pcs Ethernet cable**
- **Set of suspension hooks and steel wires**
- **1 pcs Viso LabTarget (vertical alignment laser)**