

## Protective Housing for *RIEGL* VUX-1 Series Laser Scanners

# PH-VUX

### Key features

The **Protective Housing PH-VUX** is designed for the *RIEGL* VUX-1 Series laser scanners to be protected and used in harsh environments.

The laser scanner is enclosed within a protective housing, which is sealed against dust and water jets according to IP65, and operated under stabilized temperature conditions. This is achieved via long-life thermo-electric elements and forced-air cooling. Laser measurement is performed through specially coated window panes forming a square pyramid-shaped glass component.



### Protection Class IP65

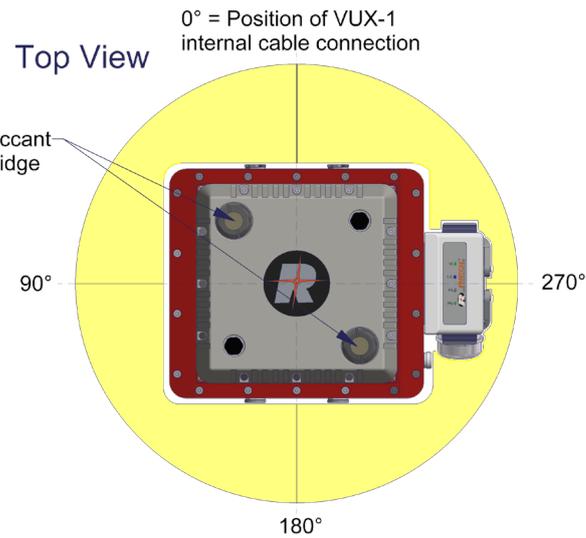
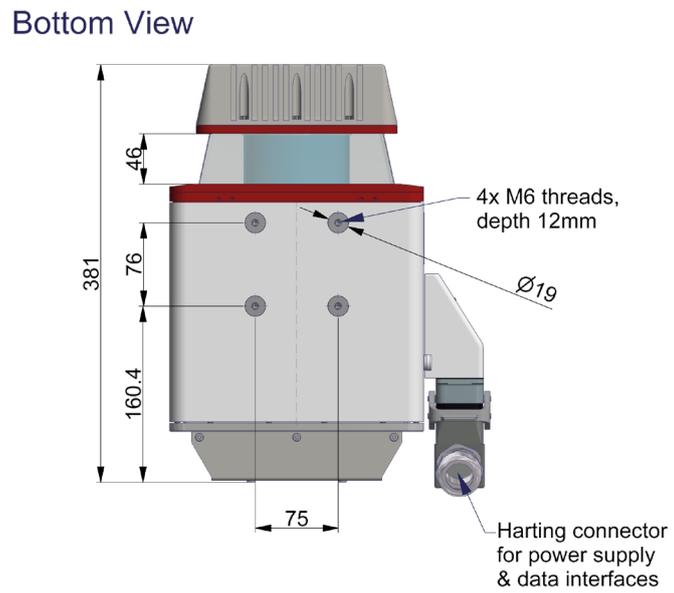
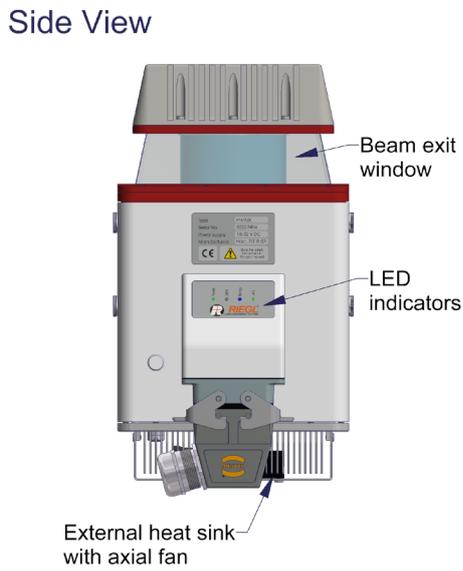
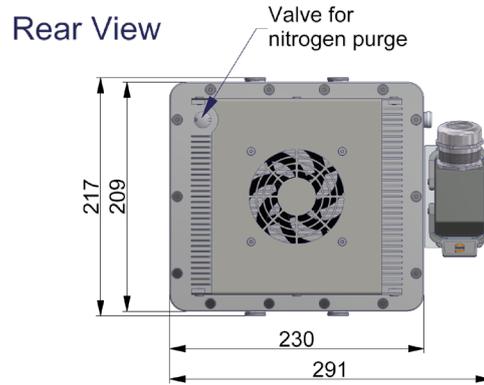
for reliable and long-term operation in harsh environments

### Technical data

<b>Power supply input voltage</b>	18 - 32 V DC, nominal 24 V DC
<b>Typ. power consumption</b>	approx. 130 W (climate control in operation) approx. 200 W (with VUX-1 LiDAR sensor and climate control in operation)
<b>Material</b>	CFRP, matt white housing with internal thermal insulation
<b>Main dimensions (L x W x H)</b>	381 mm x 291 mm x 217 mm
<b>Weight</b> protective housing protective housing with VUX-1 inside	approx. 8.5 kg approx. 12 kg
<b>Mounting interface</b>	8 x M6 threads, depth 12 mm
<b>Protection class</b>	IP65
<b>Temperature range (operation)</b>	-25°C up to +45°C
<b>Electrical interface</b>	robust Harting® connector for power supply and data interface
<b>Long-life exterior fan</b>	exchangeable by the customer
<b>Humidity Monitoring</b>	2 desiccant cartridges with humidity indicator, valve for nitrogen purge
<b>LED indicators</b>	for power supply, LAN link, temperature control and error status



## Dimensional Drawings



all dimensions in mm