NEW

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 hermetically-sealed protective housing and is operated in 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

Power supply input voltage	18 - 32 V DC, nominal 24 V DC
Typ. power consumption	approx. 130 W (climate control in operation) approx. 200 W (with VUX-1 LiDAR sensor and climate control in operation)
Material	CFRP, matt white housing with internal thermal insulation
Main dimensions (L x W x H)	381 mm x 291 mm x 217 mm
Weight protective housing protective housing with VUX-1 inside	 approx. 8.5 kg approx. 12 kg
Mounting interface	8 x M6 threads, depth 12 mm
Protection class	IP65
Temperature range (operation)	-25°C up to +45°C
Electrical interface	robust Harting® connector for power supply and data interface
Long-life exterior fan	IP68 interchangeable by the customer
Humidity Monitoring	2 desiccant cartridges with humidity indicator, valve for nitrogen purge
LED indicators	for power supply, LAN link, temperature control and error status

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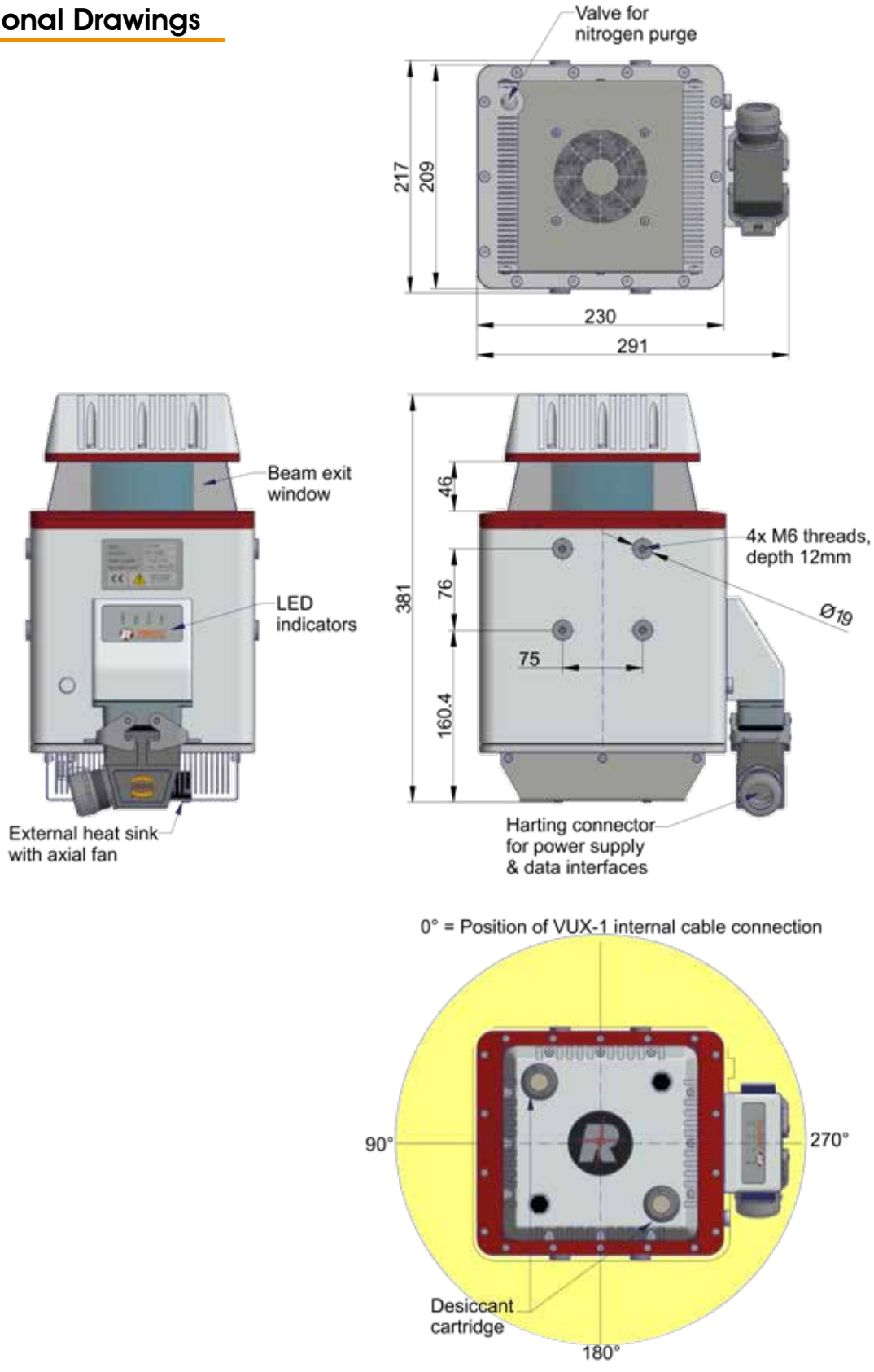
Dimensional Drawings



all dimensions in mm