Optical Dust Sensor (ENV-DUST)

TOP VIEW

SIDE VIEW

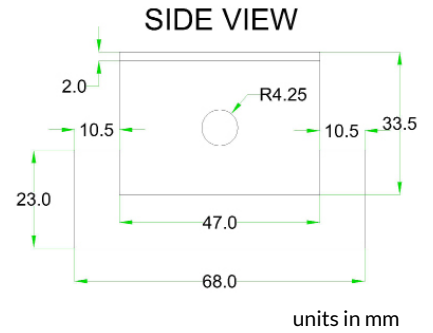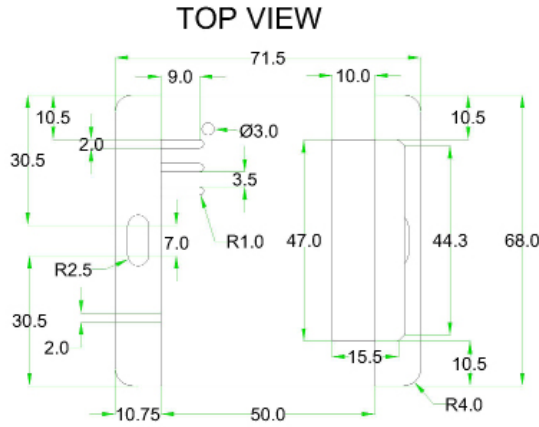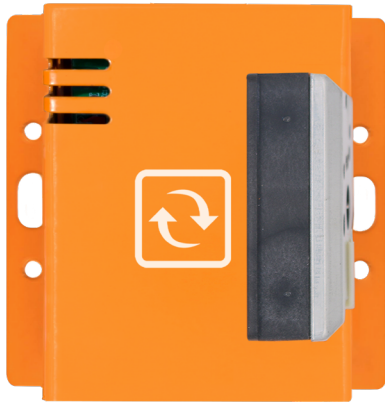units in mm

Compact & affordable optical dust sensor made in Japan. Designed to monitor dust particles in data centers, server rooms & cabinets.

Sensor Metrics:

Range	0 – 600 µg/m^3
Particle size	PM2.5 and PM10
Sensitivity	100 µg/m^3
Reports dust density	in mg/m^3
Measurement mechanism	Optical

Technical Specifications:

Powered by and communicates with	Base Unit (BASE-XX) (required)
Connectivity	RJ45 cable transmitting data & power from Base Unit to Sensor
Cable specification	RJ45 CAT 6/7 recommended Up to 100m (330ft) subject to cable quality & interference
Sensor power usage	156mW

Environmental Specifications:

Operating temperature range	-10ºC to +65ºC (14ºF to +149ºF) in PoE mode
Humidity (operating and storage)	<90% rH (non-condensating)

Physical Specifications:

Sensor enclosure	Steel enclosure, industrial grade
Mounting option	0U rack, DIN rail, magnetic, or wall mountable sensor
Dimensions	71.5 mm (2.8") x 68 mm (2.68") x 23 mm (0.9")
Weight	140g (0.31lbs)