

Technical parameters of Eco-bollard with a thermal camera

Model		Eco-bollard Standard with thermal camera
Particular Dust Sensor	Accuracy of counting molecules	50% / 0,3 µm 98% / 0,5 µm
	Measurement range of molecule	0,3 - 1,0 µm 1,0 - 2,5 µm 2,5 - 10 µm
	Accuracy of measuring molecules	up to 1 ug / m ³
	Maximum molecules consistency error	±10 % - 100 - 500 µg/m ³ , ±10 µg/m ³ - 0 - 100 µg/m ³
	The range of molecules	standard PM2,5 0 - 500 µg/m
	Standard molecules volume	0,1 L
Humidity sensor	Measurement accuracy	± 3 % RH
	Maximum humidity measuring range	10 - 80 % RH
	Maximum humidity measurement error	± 3 % RH
Temperature sensor	The maximum temperature range	-40 do 85 °C
	Temperature accuracy	± 1 °C
	Maximum temperature measurement error	± 1,1 °C
Pressure sensor	Measurement range	300 - 1100 hPa
	Accuracy	± 1 hPa
Thermal camera	Long-range infrared spectral range	8 µm to 14 µm
	Array format	160x120 progressive mode
	Radiometric accuracy, high gain mode	>±5°C lub 5%(typically)
	Dynamic measurement range, high gain mode	-10°C do 140°C
	Horizontal viewing angle	57°
	Vertical viewing angle	71°
	Focal length lens	f/1.1
	Optimal working temperature	-10°C do +80°C
Light intensity sensor		NO
Built-in Ethernet module		NO
Built-in WiFi 802.11BGN		YES
Built-in Bluetooth BLE® module		YES
Number of RGB LEDs		256
Luminaire stream		2000 lm
Bollard height		455mm, 575mm, 875mm, 1175 mm
Bollard net weight *		4kg, 4,7kg, 5kg, 7,5kg