ECoB



Indicative measurement solution connected via Bosch Cloud Services for monitoring PMx, CO, NO_2, SO_2 and O_3. The system is housed in a robust and durable enclosure and provides precise monitoring of traffic and environmental conditions in real time. Predictive traffic and emissions modeling along with advanced simulation software that highlights potential pollution hotspots and facilitates the implementation of pollution reduction measures.

Benefits

- Precise measurement technology of various traffic-relevant gases and particles for better classification of emission sources (PM_1, $PM_{2.5}$, PM_{10}, CO, NO_2, SO_2, O_3)
- Extensive factory calibration against reference systems for best agreement, accuracy and precise data
- Manufactured by Palas in cooperation with Bosch
- Connection, data visualization and project management on MyAtmosphere possible
- Continuous validation of the data via the Bosch Cloud Services
- Integration into Bosch Mobility Solutions and traffic simulation software
- Easy & fast installation
- Robust & weather-resistant housing
- Low power consumption (solar panel and battery operation possible)

Applications

- Inner-city traffic-induced immission measurement and monitoring
- Smart Cities
- Industrial and Construction Site Monitoring
- Sea & Airports
- Mining

Features

- Extensive factory calibration against reference systems for best agreement, accuracy and precise data
- Monitoring, data validation and evaluation via Bosch Services (separate contract required)
- Determination of air quality data directly on the device without subsequent correction (no post-processing)
- Can be supplemented with additional sensors or combined with other Palas products

https://www.palas.de/en/product/ecob

Power supply	11.6–12.4 V (100–240 V AC at 50–60 Hz), solar power supply available
Power consumption	Typical 6 W ; max 24 W allowed
Installation conditions	-10 °C–+50 °C, relative humidity : 25 %–95 % (non condensing)
Pressure	80–120 kPa
Dimensions	280 x 280 x 230 mm
Weight	4 kg