

VAISALA

Vaisala carbon dioxide probe GMP343 for environmental applications

Accurate CO₂ concentration data is crucial for understanding the greenhouse gas (GHG) effect and climate change. Vaisala CARBOCAP® CO₂ probe accurately measures CO₂ concentrations with excellent long-term stability thanks to continuous reference measurement. The probe is designed for easy installation and maintenance-free operation.

Typical applications:



GHG monitoring networks supplementing existing reference sites



Urban GHG emission monitoring



Industrial GHG emitter monitoring

Key features

CO₂ Probe GMP343



Measurement performance	High-end probe designed for accurate CO ₂ concentration measurement in outdoor conditions and permanent installations
Accuracy	0–1000 ppm: ±(3 ppm + 1 % of reading)
Long-term stability	At least ±10ppm/year or better, depending on the environment
Heating to prevent condensation in humid conditions	Both sensor head and mirror are heated
Communication interfaces	RS485, RS232 Protocol: ASCII
Compatible handheld	MI70
Power consumption	Without optics heating: < 1 W With optics heating: < 3,5 W
IP classification	IP67
Suitability for soil application	Yes, with soil adapter kit