

Reliable

Four-Channel

Durability

Applicable Models: DJI M400

Delivers efficient, dual-channel gas sampling with smart contamination prevention and automatic pressure control for reliable drone-based environmental monitoring

Applications



Environmental Monitoring

Collect gas samples for air quality assessment



Pollution Source Tracking

Identify and trace industrial or environmental emission sources



Research & Analysis

Scientific studies requiring precise and uncontaminated gas samples



Industrial Compliance

Verify adherence to environmental standards and regulations

Specification

- Dimensions: 169 x 73 x 169 mm
- Weight: 420 g
- System Power: 20 W
- Supply Voltage: 24 V
- Interface / Mounting Port: EPORT / SKYPORT V2.0 / UART
- Control / Remote Compatibility: Pilot 2
- Operating Temperature: -20°C to +60°C
- Channels: 2
- Control Range: Same as drone communication/control range
- Sampling Capacity (Per Channel): 1 L
- Gas Flow Rate: 1 L/min

Precise

Flexible

Stability

C.GS100P-400 Airborne Gas Sample Collector



The C.GS100P is a drone-mounted gas sampling device specifically developed for environmental gas collection. It features a professional gas pump for pollution-free extraction into sampling bags, an intelligent bag cleaning system to prevent cross-contamination, and a smart pressure sensor that automatically stops sampling when the bag is full.

The device enables efficient and precise gas collection for applications such as environmental monitoring, pollution source tracking, and forensic environmental investigation.

Key Features:

- Dual-Channel Sampling: Collects two 1 L samples per flight
- Standards Compliant: Pre-sampling bag flush ensures compliance with national gas sampling standards
- Smart Sensing: Pressure sensors automatically stop collection when bags are full
- Contamination Prevention: Intelligent bag cleaning avoids cross-sample contamination
- High Efficiency: Optimized airflow and automatic stop for fast sampling
- Easy Operation: Compatible with Pilot 2 software and seamlessly integrated with the drone control system

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