

Ambient Air Quality Monitoring System

AQMS-200 Dynamic Dilution Calibrator

FPI AQMS-200 multi-gas calibrator utilizes mass flow controller to perform standard zero and span calibration with up to 4 gas sources.



Key Feature

- ❖ Stable trace level ozone output down to 0.1 ppm
- ❖ Optional ozone generator, gas phase titration and photometer for independent ozone calibration
- ❖ User selectable output include RS232 and ethernet
- ❖ High performance mass flow controller provides stable and linearized output

Technical Data

| | | |
|-----------------|-------------------------|--------------------------------|
| Dilution System | Flow Accuracy | $\pm 1\%F.S.$ |
| | Repeatability | $\pm 0.2\%F.S.$ |
| | Linearity | $\pm 0.5\%F.S.$ |
| | Response Time | < 60s (T98) |
| | Flow of Dilution Air | 0~5 SLPM, 0~10 SLPM, 0~20 SLPM |
| | Flow of Span Air | 0~50, 0~100, 0~200 cc/min |
| | Calibration Gas Input | 4 |
| | Diluent Gas Input Ports | 1 |

Technical Data

| | | |
|-------------------------------|-----------------------|------------------------------------|
| Ozone Generator (Optional) | Output | 0.1~6 ppm |
| | Stability (7 days) | ± 1% |
| UV Photometer (Optional) | Range | 0~100 ppb to 0~10 ppm (Selectable) |
| | Precision | 1 ppb |
| | Linearity | ± 1%F.S. |
| | Rise/Fall Time | < 20s (photometer response) |
| | Response Time | < 180s (T98) |
| | Zero Drift (7 days) | 1 ppb |
| Physical and Communication | Power Requirement | 100~240 VAC, 45~55 Hz |
| | Dimensions and Weight | 178mm x 432mm x 604mm, 15kg |
| | Operating Temperature | 5~40°C |
| | Communication | RS232, RS485, Ethernet |

System Drawing

