

## HIGH VOLUME GLOBAL FIXED STATION AIR SAMPLING SYSTEMS 220—240 VAC



**GAS-PM10DTE and  
GAS-PM2.5DTE**



**GAS-60810DTE**



**GAS-604DTE**

### Notable Features:

- Multiple Operator Selectable Options
  - Engineering Units
  - Reference Temperature (T) and Pressure (P)
  - Continuous or Periodic Operation Modes
  - Volumetric or Mass Flow
  - Automatic Shut off on Time or Volume
  - Multi gas selection
- On-board data storage
- Vacuum Fluorescent Display (4×24)
- Four button keypad
- Dual RS232 ports
- State-of-the-art electronics
- Automatic flow control
- Accuracy  $\pm 3.0\%$  or greater

The F&J Global Air Sampling (GAS) systems raise the bar for air sampling instruments by providing air sampling specialists with the maximum operator flexibility, an increase in the amount of valuable information about the air sampling event, increased accuracy and the best combination of tools to comply with present and future regulatory requirements.

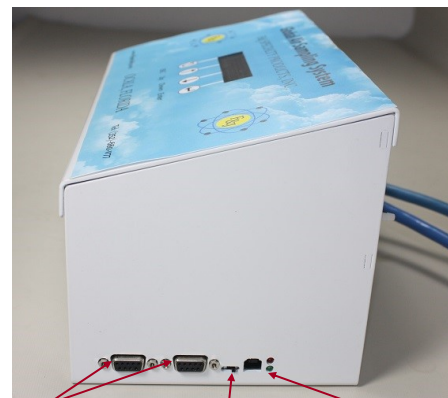
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## GLOBAL AIR SAMPLER SYSTEM FEATURES

### Operator Selectable Features in Setup Mode

Language Options:	English
Sampling Mode:	Volumetric Flow or Mass Flow
Gas Type:	Air, O <sub>2</sub> , N <sub>2</sub> , H <sub>2</sub> , CO, CO <sub>2</sub> , C <sub>3</sub> H <sub>6</sub> , He, NH <sub>3</sub>
Engineering Units	
Volumetric Flow:	sccm, SLPM, SCFM, sm <sup>3</sup> /min, sm <sup>3</sup> /hr
Mass Flow:	kg/hr, g/min, lbs/hr
Temperature:	°C, °F
Pressure:	In. Hg, mm Hg, bar, atm, kPa
Reference T and P	
Reference T:	0°C, 15°C, 20°C, 21.1°C (70°F), 25°C
Reference P:	101.325 kPa (760 mm Hg), 100 kPa (1bar)
RS232 Data Output Frequency:	1 sec, 1 min, 10 min, 20 min, 30 min, 1 hr
Data Storage Frequency:	1 min, 10 min, 20 min, 30 min, 1 hr
Operating Mode:	Continuous, Periodic
Periodic Sampling Options:	1 hr. (12 five minute periods), or weekly (24 one hour periods for 7 days)
Ending Mode:	By time, By volume
Operator Selectable Passwords:	2 levels
Date and Time Setup	Input of real time and date

### Close Up Photos of Control Box



RS232  
(DB9)

USB Connector

Selector Switch for USB or DB9 Connector

**GLOBAL AIR SAMPLING SYSTEMS  
FIXED-STATION HIGH VOLUME SERIES  
220 - 240 VAC**

<b>Criteria / Model</b>	<b>GAS-604DTE</b>	<b>GAS-60810DTE</b>	<b>GAS-PM10DTE</b>	<b>GAS-PM2.5DTE</b>
Dimensions H×L×W (in) H×L×W (cm)	57.5×21.5×21.25 146 × 54,6 × 54,6	57.5×21.5×21.5 146× 54,6 × 54,6	74.5×28×28 189 × 71 × 71	74.5×28×28 189 × 71 × 71
Weight lbs. (kg)	98 (44.5)	98 (44.5)	138 (62.7)	138 (62.7)
Maximum Flow	50 CFM (85m <sup>3</sup> /hr)	100 CFM (170 m <sup>3</sup> /hr)	100 CFM (~170m <sup>3</sup> /hr)	100 CFM (~170m <sup>3</sup> /hr)
Max. Vacuum (kPa)	90 (22)	90 (22)	90 (22)	90 (22)
Flow Regulator Type	Electronic	Electronic	Electronic	Electronic
Motor Power, Type	1100 watt, Brushless	1100 watt, Brushless	1100 watt, Brushless	1100 watt, Brushless
Power Requirement (watts)	1100	1100	1100	1100
Operating Temperature °C (°F)*	-29* to 50 (-20* to 122)	-10* to 50 (11* to 122)	-29* to 50 (-20* to 122)	-29* to 50 (-20* to 122)
*Continuous operation only for low temperature value				
Storage Temperature °C (°F)	-35 to 70 (-31 to 156)	-35 to 70 (-31 to 156)	-35 to 70 (-31 to 156)	-35 to 70 (-31 to 156)
Voltage (AC), 1 Ph	200-240	200-240	200-240	200-240
Frequency (Hz)	50/60	50/60	50/60	50/60
IPX Rating	IPX 3	IPX3	IPX3	IPX3
Installation Category	Pollution Degree 3	Pollution Degree 3	Pollution Degree 3	Pollution Degree 3
Enclosure Protection	Powder Coat Paint	Powder Coat Paint	Powder Coat Paint	Powder Coat Paint
Noise Level @ 1 m (dB)	78	80	83	83

## Options for Global Air Sampler Systems

### Meteorological Station Global Air Sampler Systems

P/N: WS-110



High Volume System

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### Electrical Surge Protection for High Volume Air Sampling Systems

P/N: FJ-SSI-AS-03



NORTH AMERICAN

P/N: FJ-SSI-02E-UK



UK RECEPTACLE

P/N: FJ-SS-HLASE



SCHUKO RECEPTACLE

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### Ruggedized Cellular Phone Data Interface System for Global Air Sampling Systems



P/N: CASRPS



High Volume Air Sampler

