



Model No : V.air 9007 Calibrator For Calibration

- **High-precision Switzerland mass flow controller**
- **Digital output the instrument parameters**
- **Gas phase titration quartz Chambers, calibration gas interface**
- **Large-capacity memory automatically stores historical data**
- **Microprocessor realization of multi-function operation**

Description :

Dynamic calibration of instrument based on microprocessor technology, developed specifically for precision gas analyzers and multiple gas calibration equipment. Through the use of high precision mass flow controller and standard gases for gas parameters of zero point and span test calibration gas, can also provide 4 kinds of gas source.

Dynamic calibration device can be equipped with a built - in programmable ozone generator, the ozone generator is not only used as an accurate and reliable calibration of ozone, ozone generator can also be used for g-d NO₂ multi-point piecewise linear drive to ensure repeatability and accuracy of ozone concentrations; optional spectrophotometer can also achieve the ozone generators high accuracy control.

Dynamic calibration of fast response, high repeatability, high accuracy and easy to use. And used zero gas generator, and gas analyzers for laboratories to provide reliable quality assurance.

Technical Specifications :

Project	Parameters	Indicator
	Dilution air flow rate range	0-5 LPM, 0-10 LPM, 0-20 LPM optional
Dilution system	Gas flow rate range	(0—50) sccm, (0—100) sccm, (0—200) sccm
	Flow control	Optional 1%F.S.
	Flow line	0.5%F.S.
	Flow control repeatability	0.2%F.S.
	Zero air supply requirements	10LPM@30psi
	Gas inlet	4个
	Dilution air inlet	1个
	Response time	T98<60 S
Ozone generator	The maximum output	6 ppm
	The minimum output	100 ppb
	Consistency	±1%/7 days
	Response time	T98<180 S
Ozone photometer	Range	(0.1—10)" ppm
	Accuracy	1 .0 ppb
	Linearity	1 %F.S.
	Lifting time	<20 s
	Response time	180s (98%)
	Zero point drift	<1 .0 ppb/ 7days
	Span drift	<2%/7days
Sample gas flow	800 sccm	
The whole machine	Power supply	200—240V, 50/60 Hz, 200W
	Device dimensions (H * W *D)	178mmx432mmx600mm
	Instrument weight	< 15 KG
	operating temperature range	(5 -- 40)°C
	Operating humidity range	(0 -- 95)% RH
	Interface	RS232 & RS485 Communication, Ethernet(optional)
	Communication protocol	Modbus

FEATURE

- Continuous belt alarm post
- High-precision Switzerland mass flow controller
- RS-232 port for remote control
- Digital output the instrument parameters
- The dilution ratio, fast response
- With USB and Ethernet interfaces
- Gas phase titration quartz Chambers, calibration gas interface
- Color display, touch screen operation
- Optional ozone generator and ozone photometer
- Large-capacity memory automatically stores historical data
- Microprocessor realization of multi-function operation
- Software allows monitoring during the operation to test data



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