

Zirconia Oxygen Analyzer

TB- II F-VE



CONTROL UNIT
C-28C-VE



CONTROL UNIT
C-48-VE

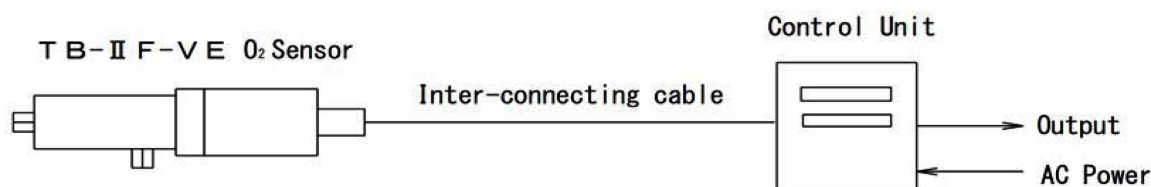
What's TB- II F-VE

Detective element is made of Zirconia electrolyte.

The main use of this sensor is for measurement of trace or low oxygen in inert gas, moreover for measurement of partial oxygen pressure in the vacuum system can be used well.

※ The sensor works as oxygen analyzer together with the control unit.

System Schematic



Features

- ◎ Wide range application, from 1ppm to 100%O₂, 1~1×10⁻³⁰atmO₂ (use C-48-VE control unit only)
- ◎ Built-in multi-filter protects detector from dirt and corrosion.
- ◎ Accepts 0.5 to 5 L/min flow rate.
- ◎ Wide sample pressure 2atm~10⁻⁷Torr.
- ◎ Simple structure, easy maintenance.

Specifications

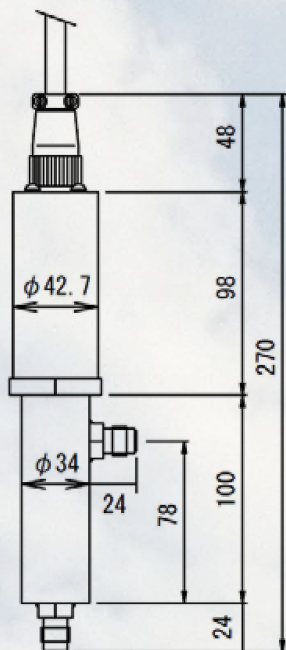
Model	TB- II F-VE with C-28C-VE control unit	TB- II F-VE with C-48-VE control unit
Measuring Range	1ppm~100% O ₂	1ppm~100%O ₂ , 1~10 ⁻³⁰ atm O ₂
Linearity	The Larger either of less than ±1%FS or ±1ppm	
Repeatability	The Larger either of less than ±1%FS or ±1ppm	
Response	90% reading 10sec. (Swinging to a high density side)	
Drift	Less than ±2% FS/wk	
Sample Flow Rate	0.5~5 L/min.	
Sample Temp.	300°C MAX.	
Sample pressure	203kPa~1.33×10 ⁻⁵ Pa (2atm~10 ⁻⁷ Torr)	
Warm up time	About 20 minutes	
Connector	4VCR fitting	

※For the improvement, the specification and design may be changed without prior notice.

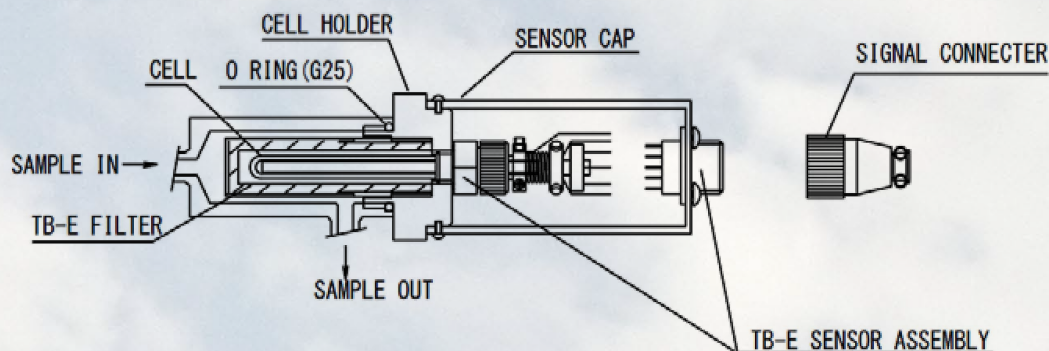
Dimensions & Flow Diagram

TB-II F-VE

Sample I/O: 4VCR body

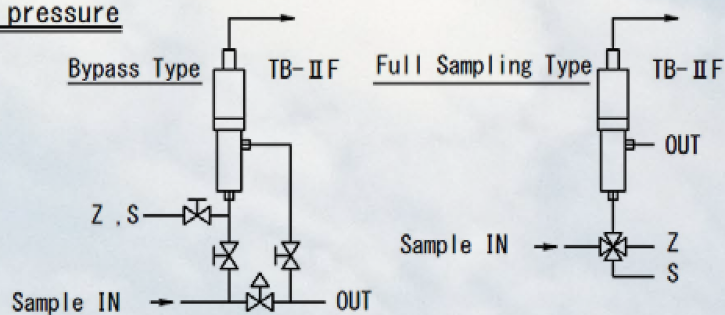


Cross section

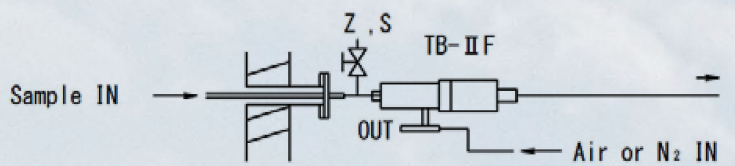


TB-II F Flow Diagram

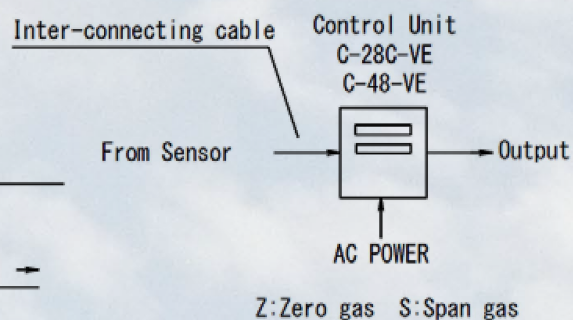
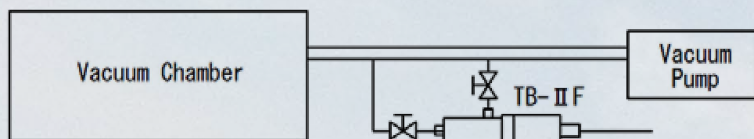
Positive pressure



Aspirator



Vacuum



Inquiry



Daiichi Nekken Co., Ltd.
<http://www.daiichinekken.co.jp>

Etorch 頤拓企業

<http://www.etch.com.tw>
 email: info@etch.com.tw