

Zirconia Sensing Oxygen Sensor TB-II F

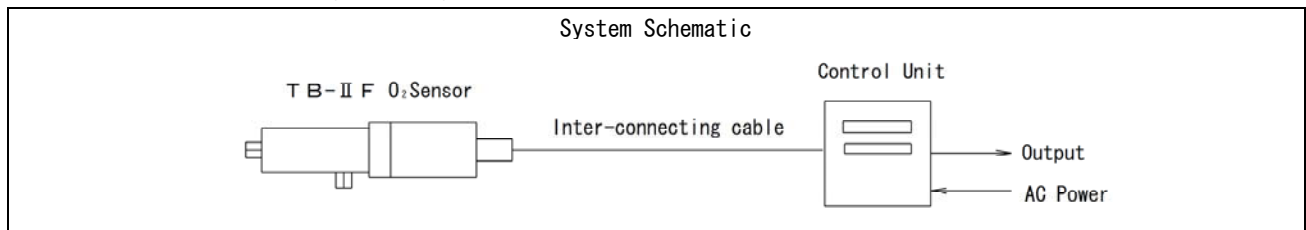


What's TB-II F

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 dirty gas such as flue gas can be used well.

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



Features

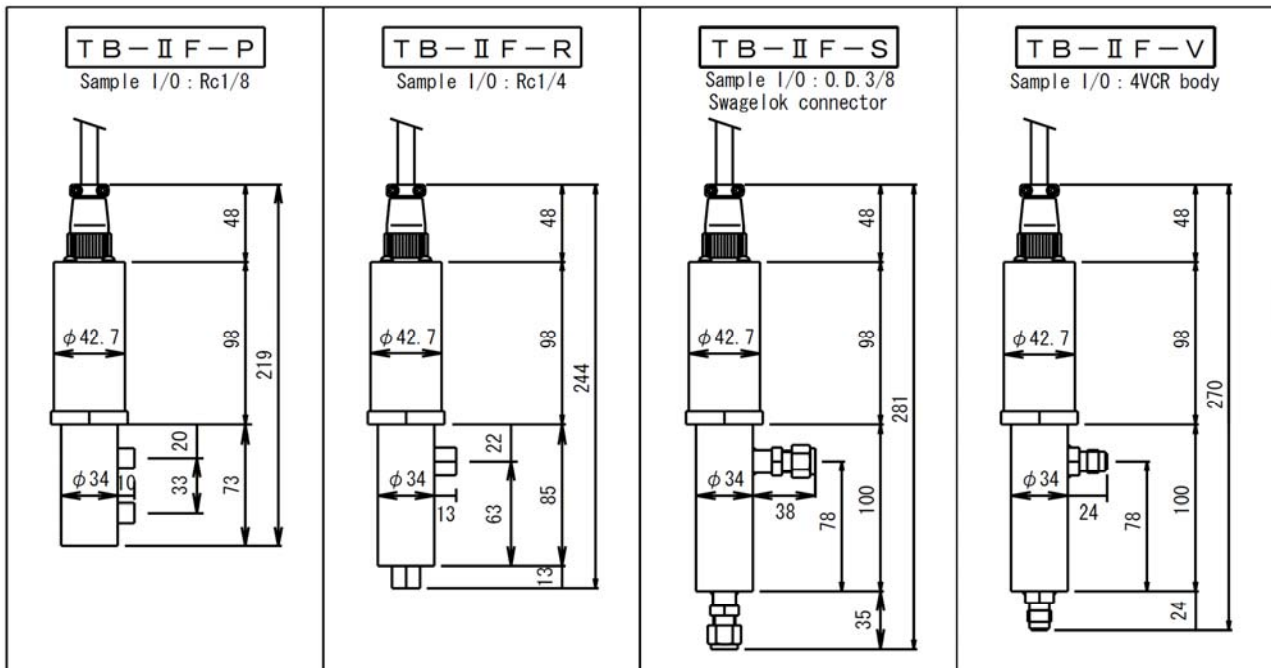
- ◎ Wide range application, from 1ppm to 100%O₂.
- ◎ Built-in multi-filter protects detector from dirt and corrosion.
- ◎ Accepts 0.2 to 5 L/min flow rate.
- ◎ Simple structure, easy maintenance.

Specifications

Model	TB-II F-P	Rc1/8 female connector
	TB-II F-R	Rc1/4 female connector
	TB-II F-S	O. D. 3/8 Swagelok
	TB-II F-V	4VCR fitting
Measuring Range	1ppm~100%O ₂ , 1~10 ⁻³⁰ atmO 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	0.2~2L/min (TB-II F-P)、others 0.5~5L/min	
Sample Temp.	300°C MAX.	
Sample pressure	TB-II F-V 203kPa~1.33×10 ⁻³ Pa (2atm~10 ⁻⁵ Torr) Others 203kPa~1.33×10 ⁻¹ Pa (2atm~10 ⁻³ Torr)	
Warm up time	About 20 minutes	

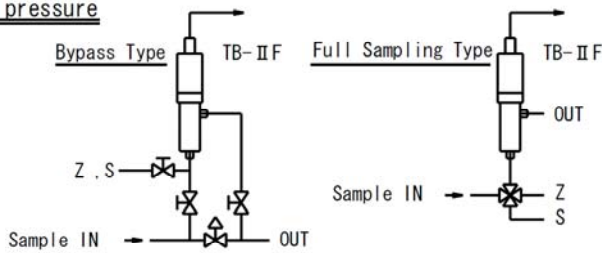
※For the improvement, the specification and design may be changed without prior notice.

Dimensions & Flow Diagram

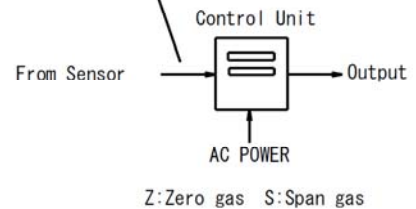


TB-II F Flow Diagram

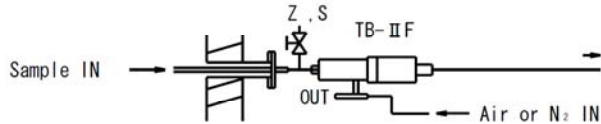
Positive pressure



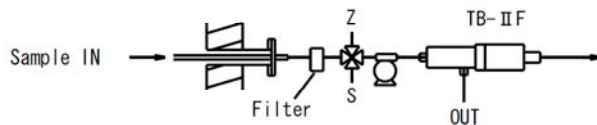
Inter-connecting cable



Aspirator



Pumping



For inquiry contact:

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