

Table Overview for Cubic Oxygen and Flow Sensors

Model Number	Technology	Feature	Concentration measure range	flowrate measure range	Key Recommendation	Communication Protocol	Notes
 Gasboard7500HA	Ultrasonic	 Oxygen concentration and flow measurement	0 ~ 100% (for pure tank oxygen) 20.5 ~ 95.6% (for PSA oxygen)	0~10L/min	Main-Stream: Portable Oxygen Concentrator (3L/5L/10L) Side-Stream (By-pass): Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL(3.3V) Analog	<ul style="list-style-type: none"> High accuracy. No-consuming parts. Long Lifespan.
 Gasboard7500HA-RH	Ultrasonic	 Oxygen concentration and flow measurement	0 ~ 100% (for pure tank oxygen) 20.5 ~ 95.6% (for PSA oxygen)	0~10L/min	Main-Stream: Portable Oxygen Concentrator (3L/5L/10L) Side-Stream (By-pass): Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL(3.3V) Analog	<ul style="list-style-type: none"> High accuracy. No-consuming parts. Long Lifespan. With humidity compensation.
 Gasboard8500D-RH	Ultrasonic	 Oxygen concentration measurement only	0 ~ 100% (for pure tank oxygen) 20.5 ~ 95.6% (for PSA oxygen)	N/A	Main-Stream: Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL(3.3V)	<ul style="list-style-type: none"> Main flow integration. No need for by-pass design. With humidity compensation.
 Gasboard8500V-RH	Ultrasonic	 Oxygen concentration measurement only	0 ~ 100% (for pure tank oxygen) 20.5 ~ 95.6% (for PSA oxygen)	N/A	Main-Stream: Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL(3.3V) Analog	<ul style="list-style-type: none"> Easy to be integrated. Can replace electrochemical/ galvanic oxygen sensor directly. Long Lifespan.
 Gasboard8500FS-L40	Ultrasonic	 Oxygen concentration and flow measurement	0 ~ 100% (for pure tank oxygen) 20.5 ~ 95.6% (for PSA oxygen)	0~40L/min	Main-Stream: High-End Portable Oxygen Concentrator (>10L, usually up to 20L) Side-Stream (By-pass): Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL (3.3V)	<ul style="list-style-type: none"> High accuracy. No-consuming parts. Long Lifespan.
 Gasboard8500FS-X200	Ultrasonic	 Oxygen concentration and bigger flow measurement. For flow, it support 0~240L/min	0 ~ 100% (for pure tank oxygen) 20.5 ~ 95.6% (for PSA oxygen)	0~240L/min	Main-Stream: Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL (3.3V) /IIC /Analog	<ul style="list-style-type: none"> Fast response. Combined solution to measure oxygen concentration, flow rate temperature and humidity.