

# 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)	<b>0~10L/min</b>	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"> <li>High accuracy.</li> <li>No-consuming parts.</li> <li>Long Lifespan.</li> </ul>
 Gasboard7500HA-RH	Ultrasonic	 Oxygen concentration and flow measurement	0 ~ 100% (for pure tank oxygen)  20.5 ~ 95.6% (for PSA oxygen)	<b>0~10L/min</b>	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"> <li>High accuracy.</li> <li>No-consuming parts.</li> <li>Long Lifespan.</li> <li>With humidity compensation.</li> </ul>
 Gasboard8500D-RH	Ultrasonic	 Oxygen concentration measurement only	0 ~ 100% (for pure tank oxygen)  20.5 ~ 95.6% (for PSA oxygen)	<b>N/A</b>	Main-Stream: Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL(3.3V)	<ul style="list-style-type: none"> <li>Main flow integration.</li> <li>No need for by-pass design.</li> <li>With humidity compensation.</li> </ul>
 Gasboard8500V-RH	Ultrasonic	 Oxygen concentration measurement only	0 ~ 100% (for pure tank oxygen)  20.5 ~ 95.6% (for PSA oxygen)	<b>N/A</b>	Main-Stream: Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL(3.3V) Analog	<ul style="list-style-type: none"> <li>Easy to be integrated.</li> <li>Can replace electrochemical/galvanic oxygen sensor directly.</li> <li>Long Lifespan.</li> </ul>
 Gasboard8500FS-L30	Ultrasonic	 Oxygen concentration and flow measurement	0 ~ 100% (for pure tank oxygen)  20.5 ~ 95.6% (for PSA oxygen)	<b>0~30L/min</b>	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"> <li>High accuracy.</li> <li>No-consuming parts.</li> <li>Long Lifespan.</li> </ul>
 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)	<b>0~240L/min</b>	Main-Stream: Medical Oxygen Ventilator, High-flow Oxygen Therapy, Medical Oxygen Generator	UART_TTL (3.3V) /IIC /Analog	<ul style="list-style-type: none"> <li>Fast response.</li> <li>Combined solution to measure oxygen concentration, flow rate temperature and humidity.</li> </ul>