

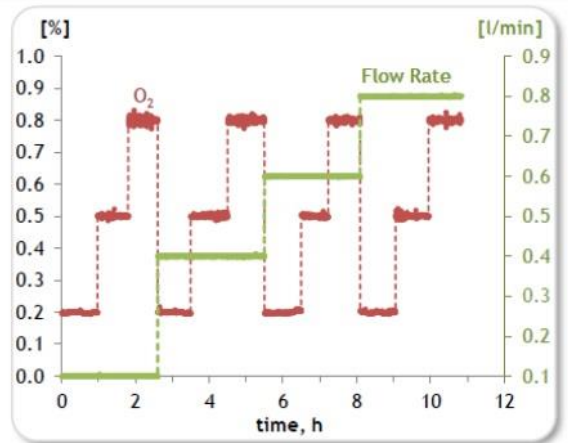
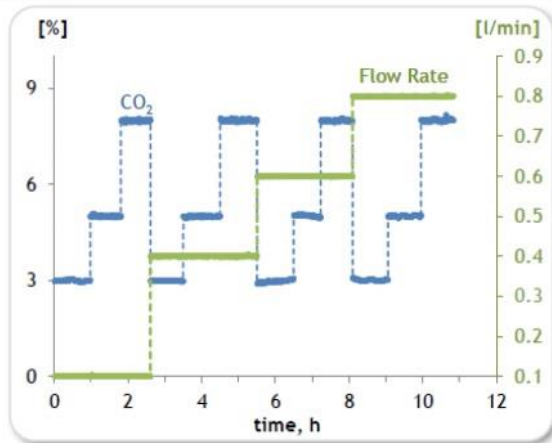
CO2-O2 Unit-BL [0-10; 0-1]

CO2-O2 Unit-BL [0-10; 0-1] connects to any Bold Line Temperature Controller and is operated by the touch screen interface OKO-TOUCH.

- Adds CO2 and Air to N2
- **CO₂ range:** 0-10%; **O₂ range:** 0-1.0%
- **CO₂ Accuracy:** ± 0.1
- **O₂ Accuracy:** ± 0.02% at 1% O₂ after sensor calibration against a span gas with an Oxygen level within the range 0.5-1%. Okolab advises to use a calibration gas with accuracy of 2% of Oxygen concentration or higher.
- **Set Point Resolution:** 0.1%; **Oxygen Reading Resolution:** 0.01%; **CO2 repeatability:** better than 0.1%; **O2 repeatability** 0.01% of O2
- Output flow rate: 0 - 0.8 NI/min. Outlet Pressure: ambient
- CO₂ sensor: 10 year-life Non Dispersive InfraRed (NDIR) dual wave length detector
- O2 sensor: 9-12 Months -life electrochemical sensor
- Sensors calibration routine with external meter or calibration gas
- Compatible with OKO-AIR-PUMP-BL for operation with background air
- Compatible with **HM-ACTIVE**
- Compatible with Smart Box for data logging and remote operation
- Programmable CO₂ and / or O₂ cycles
- SDK available for integration in third party software



CO2-O2-UNIT-BL-[0-10;0-1]



Total flow rate	CO ₂ set point	Mean	Max	Min	Std
0.1	3.0	2.99	3.04	2.93	0.02
	5.0	5.00	5.09	4.96	0.02
	8.0	7.99	8.05	7.92	0.02
0.4	3.0	2.99	3.01	2.96	0.01
	5.0	5.00	5.04	4.95	0.02
	8.0	8.00	8.37	7.93	0.04
0.6	3.0	3.02	3.08	2.95	0.04
	5.0	5.01	5.08	4.95	0.03
	8.0	7.98	8.08	7.79	0.03
0.8	3.0	3.00	3.03	2.96	0.02
	5.0	5.01	5.06	4.96	0.02
	8.0	8.01	8.17	7.93	0.04

Total flow rate	O ₂ set point	Mean	Max	Min	Std
0.1	0.2	0.199	0.21	0.19	0.002
	0.5	0.501	0.52	0.47	0.004
	0.8	0.800	0.85	0.73	0.011
0.4	0.2	0.200	0.22	0.20	0.002
	0.5	0.501	0.52	0.49	0.004
	0.8	0.801	1.01	0.76	0.015
0.6	0.2	0.203	0.22	0.20	0.004
	0.5	0.500	0.52	0.48	0.004
	0.8	0.800	0.84	0.76	0.006
0.8	0.2	0.200	0.21	0.19	0.002
	0.5	0.500	0.53	0.49	0.004
	0.8	0.800	0.84	0.76	0.0065

