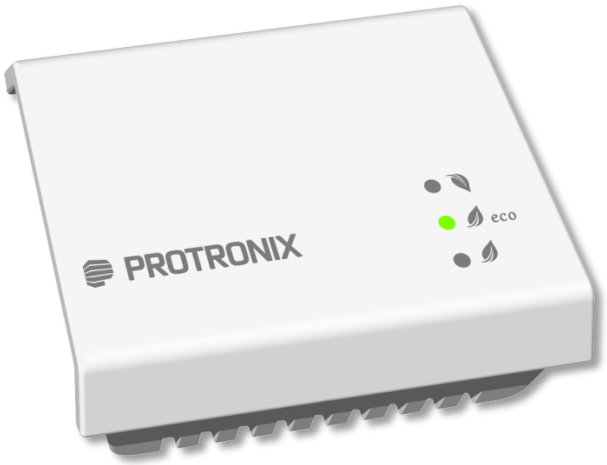
NLII-CO2+T | Combined CO_2/T sensor

Combined sensor NLII-CO2+T is used to continuously monitor air quality inside buildings and then control ventilation (HVAC) systems according to current levels of internal air quality. The sensor measures concentration of carbon dioxide (CO_2) and temperature (T). It is suitable for offices, classrooms, shopping centers, homes, restaurants, fitness centers, commercial buildings, etc.



- measures CO_2 and T
- 2x analog voltage/current output
- maintenance during operation is not required
- long life and stability

The measuring of CO_2 is based on the principle of infrared radiation attenuation dependence on the CO_2 concentration in the air (NDIR). Built-in auto-calibration function ensures very good long term stability.
The sensor has built-in two separate analog outputs - one for the actual concentration of CO_2 and the other for actual temperature.
So the sensor efficiently manages ventilation and heat recovery units, based on current room air quality.
The current air quality can easily be determined by looking at the three LED indicators.
The ***eco*** level means good indoor air quality necessary to achieve a sense of well-being and at the same time optimal energy costs for heating, ventilation or air conditioning.

Parameter	Value	Unit
Supply voltage range	12 – 35 12 – 24	V DC V AC
Average consumption	0,5	W
CO_2 measuring range	400 – 2000	ppm
CO_2 accuracy	± 35 ppm ±5 % of reading	
CO_2 rate rise	max 1	min
CO_2 step response	(90 %) 80	s
T measuring range	0 – 50	°C
T accuracy	± 0,4	°C
Working humidity non condensing	0 – 95 %	RH
Working temperature	0 to +50	°C
Storage temperature	-20 to +60	°C
Expected lifetime	min. 10	years
Ingress protection	IP20	
Dimensions	90x80x31	mm

Explanation of abbreviations and technical terms can be found on our website in the Glossary section.