



Inroom Data Logger for measurement of temperature, relative humidity and CO2 (Indoor Air Quality), made in Germany!

- **Parameters measured**
Temperature, Relative humidity, CO2
- **Measurement technology**
Temperature / NTC, Humidity / Capacitive, CO2 / NDIR
- **Product highlights**
LAN datalogger with built-in sensors and the highest precision! Firmware online updatable
- **Interfaces**
USB (Cable and Monitoring Software SmartGraph3 included)
- **Article number**
8120.20, 8120.20N, 8120.21, 8120.21N

The only LAN datalogger with built-in sensors and the highest precision! Firmware online updatable. The Opus20 runs on batteries or powered via USB. Alternatively, you have the possibility to power the device via POE (Power over Ethernet).

General	
Dimensions	166 x 78 x 32 mm
Measuring interval	10/30 s, 1/10/12/15/30 min, 1/3/6/12/24 h
Construction	Plastic housing
Operating time with battery	> 4 month

Data storage	16 MB, 3,200,000 measured values
LC-Display	Height 90 x 64 mm
Weight	Approx. 250 g
Included in delivery	PC - Windows Software SmartGraph 3 for graphical and numerical representation of measured values / instruction manual / data cable / battery / DIN rail bracket
Interface	USB, LAN
Storage interval	1/10/12/15/30 min, 1/3/6/12/24h
Power supply	4 x LR6 AA Mignon, USB
Operating temperature	-20...50 °C
Operating rel. humidity	0...100 % RH, < 20 g/m ³ (non - condensing)
Max. height	10,000 m above sea level

Temperature	
Principle	NTC
Measuring range	-20 ... 50 °C
Unit	°C
Accuracy	±0.3 °C (0...40 °C), otherwise ± 0.5 °C
Resolution	0.1

Relative humidity	
Principle	Capacitive
Measuring range	0 ... 100 % RH
Unit	% RH
Accuracy	±2 % RH
Resolution	0.1

CO ₂	
Principle	NDIR
Measuring range	0 ... 5000 ppm
Unit	ppm
Accuracy	± 50 ppm +3 measured values (at 20 ° C and 1,013 mbar)
Resolution	1 ppm