Lufft OPUS20 - An essential data collector for all calibration laboratories measuring precise temperature, relative humidity and air pressure!

- **Parameters measured**
  Temperature, relative humidity and air pressure

- **Measurement technology**
  Temperature & air pressure / NTC, Humidity / Capacitive

- **Product highlights**
  LAN datalogger with built-in sensors and highest precision, evaluation software SmartGraph3 included

- **Interfaces**
  USB (Cable and SmartGraph3 monitoring software included)

- **Article number**
  8120.10, 8120.10N, 8120.11, 8120.11N

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).

IMPORTANT: OPUS 20 THIP is discontinued

General	
Dimensions	166 x 78 x 32 mm

Page 1
Technical modifications and errors excepted - Created 18/04/2024
G. Lufft Mess- und Regeltechnik GmbH Fellbach, Deutschland

KIPP & ZONEN   Lufft   SUTRON   OTT   ADCON   HYDROLAB   METEOSTAR

Measuring interval	10/30 s, 1/10/12/15/30 min, 1/3/6/12/24 h
Construction	Plastic housing
Operating time with battery	> 1 Year
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, 1/3/6/12/24 h
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

Air pressure	
Measuring range	300 ... 1300 hPa abs.
Unit	hPa abs.
Accuracy	700...1100 hPa at 25 °C ±0.5 hPa
Resolution	0.1

KIPP & ZONEN   Lufft   SUTRON   OTT   ADCON   HYDROLAB   METEOSTAR