

# Temperature/humidity - datalogger

## OPUS 10 - temperature / relative humidity, internal sensor

For climate monitoring in buildings, climate monitoring and control in air conditioning units, storerooms and museums, alarm indication (current or historical since the last data transmission), conversion of the display from % RH to absolute humidity or dew-point with SmartGraph professional software, C and F adjustable.

Technical data	Ref.No.
<b>OPUS 10 THI</b>	<b>8152.00</b>
Construction	Plastic housing
Data storage	120,000 measurements
Dimensions	115x110x25mm
Display	Size 65x40mm
Included in delivery	PC-Windows™-Software SmartGraph™ 2 for graphic and numeric printout and data evaluation / manual / RS232 connection cable / mono-cell
Interface	RS232
Max. height	5000m above sea level
Measuring interval	1/10/30/60s, 1/10/30min, 1/3/6/12/24h
Operating rel. humidity	0...95% RH, < 30g/m <sup>3</sup> (non condensing)
Operating temperature	-20...50°C
Operating time with battery	Typical: 2 years
Power supply	Lithium battery 3.6V
Storage interval	1/10/30min, 1/3/6/12/24h
Weight	250g
<b>Temperature</b>	
Principle	NTC
Measuring range	-20 ... 50 °C
Accuracy	±0.3°C (0...40°C), otherwise 0.5°C + 1 digit
Resolution	0.1 °C
<b>Relative humidity</b>	
Principle	Capacitive
Measuring range	10 ... 95 % RH
Accuracy	±2% RH, + 1 digit
Resolution	0.5 % RH
<b>Accessories</b>	<b>Ref.No.</b>
Module for internal temperature and humidity sensor	<b>8152.MOD4</b>
SmartGraph™2-software Professional version	<b>8152.SGP</b> (for 1 instruments)
SmartGraph™2 software Professional version	<b>8152.SGP10</b> (for 10 instruments)
SmartGraph™2 software Professional version	<b>8152.SGP100</b> (for 100 instruments)
Carrying case for instrument and accessories	<b>8152.SGPHA01</b> (for 1 instruments)
SmartGraph™2 PHARMA software	<b>8152.SGPHA10</b> (for 10 instruments)
SmartGraph™2 PHARMA software	<b>8152.SGPHA100</b> (for 100 instruments)
Lithium battery 3,6V	<b>8152.SV1</b>
Wall mounting, anti-theft	<b>8152.WDS</b>
COM server	<b>8156.SER</b>



Order No. 8152.00W

120,000 measurements  
 Typical battery life 2 years  
 incl. SmartGraph 2 evaluation software  
 -20...+50°C

