

# Air pressure - systems

## OPUS 10 - temperature / air pressure

2-channel datalogger with built-in temperature and air pressure sensor for measurement and calibration laboratories (research dependent on accurate air pressure measurement)  
 DKD-Certificate for proof of traceability supplied as an option

| Technical data                               | Ref.No.   |
|--|---|
| <b>OPUS 10 TPR</b>                           | <b>8253.00</b>  |
| Application up to max. construction          | 5000m above sea level housing plastic   |
| 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   |
| 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>pressure</b>                              |   |
| measuring range                              | 750 ... 1100 hPa  |
| accuracy                                     | ±0.5hPa at 25°C / ±1.0 hPa for 0°C < T < 50°C, +1 digit   |
| resolution                                   | 0,1 hPa   |
| <b>Accessories</b>                           | <b>Ref.No.</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, protecting against theft      | <b>8152.WDS</b>   |
| COM server                                   | <b>8156.SER</b>   |



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