

## Precision Digital Measuring Instruments, Schneider

### High precision digital measuring instruments PHYSICS 1000, PHYSICS 100-1, PHYSICS 300-3 and PHYSICS 51

Measuring systems „Made in Germany“ with resolution up to 0.001 K. Optionally also available with factory test certificate or DAkkS certificate.

| Article                                                                                                                                                                                                                                                                                                                                                                                              | Order No.          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| ① <b>Measuring device PHYSICS 1000</b>                                                                                                                                                                                                                                                                                                                                                               | <b>10 16 57089</b> |
| High-precise measuring device for PT100 sensor, 2 measuring input channels, max. resolution up to 0.001°C, measuring range -200° to 400°C, 2 output sockets (1 interface), 99 values memory, multi-point calibration possible, 3 batteries AA, input for power adapter, menu multilingual, dimensions 127 × 83 × 42 mm, weight approx. 290 g                                                         |                    |
| Article                                                                                                                                                                                                                                                                                                                                                                                              | Order No.          |
| ② <b>Measuring device PHYSICS 100-1</b>                                                                                                                                                                                                                                                                                                                                                              | <b>10 16 53731</b> |
| For various measuring systems, 1 measuring input channel, max. resolution up to 0.01°C, 2 output sockets (1 interface), 99 values memory, multi-point calibration possible, 3 batteries AA, input for power adapter, menu multilingual, dimensions 127 × 83 × 42 mm, weight approx. 290 g. The 2-channel version is available on request.                                                            |                    |
| Article                                                                                                                                                                                                                                                                                                                                                                                              | Order No.          |
| ③ <b>Measuring device PHYSICS 300-3</b>                                                                                                                                                                                                                                                                                                                                                              | <b>10 16 59234</b> |
| Digital measuring device with data logger function, 3 measuring input channels, max. resolution up to 0.01°C, 2 output sockets (1 interface), graphic display, internal memory approx. 12000 values, multi-point calibration possible, 3 batteries AA, input for power adapter, menu multilingual, dimensions 127 × 83 × 42 mm, weight approx. 290 g. The 2-channel version is available on request. |                    |
| Article                                                                                                                                                                                                                                                                                                                                                                                              | Order No.          |
| ④ <b>Measuring device PHYSICS 51</b>                                                                                                                                                                                                                                                                                                                                                                 | <b>10 16 59235</b> |
| Digital measuring device for thermocouples, NTC and humidity sensors, 1 measuring input channel, max. resolution up to 0.1°C, 2 output sockets (1 interface), max/min and hold function, multi-point calibration possible, 3 batteries AA, input for power adapter, menu multilingual, dimensions 127 × 83 × 42 mm, weight approx. 260 g                                                             |                    |

### PHYSICS probes

| Article                                                                          | Order No.          |
|----------------------------------------------------------------------------------|--------------------|
| <b>Immersion resistance thermometer Pt100<sup>2)</sup></b>                       | <b>10 16 59954</b> |
| 3 × 250 mm, cable 2 m, class A, range: -90 to +350°C/0.01°C                      |                    |
| <b>Insertion resistance thermometer Pt100<sup>2)</sup></b>                       | <b>10 16 59966</b> |
| 4 × 150 mm, cable 2 m, class A, range: -50 to +200°C/0.01°C                      |                    |
| <b>Immersion thermocouple type K<sup>1), 2)</sup></b>                            | <b>10 16 59961</b> |
| 1,5 × 250 mm, cable 2 m, class 2, range: -90 to +350°C/0.1°C                     |                    |
| <b>Immersion thermocouple type K<sup>1), 2)</sup></b>                            | <b>10 16 59962</b> |
| 3 × 150 mm, cable 2 m, class 2, range: -50 to +200°C/0.1°C                       |                    |
| <b>Insertion thermocouple type K<sup>1), 2)</sup></b>                            | <b>10 16 59963</b> |
| 3 × 150 mm, cable 2 m, class 2, range: -50 to +200°C/0.1°C                       |                    |
| <b>Immersion resistance thermometer Pt100<sup>3)</sup></b>                       | <b>10 16 57527</b> |
| 3 × 250 mm, cable 2 m, class 1/10B, range: -90 to +350°C/0.001°C                 |                    |
| <b>Immersion resistance thermometer Pt100<sup>3)</sup></b>                       | <b>10 16 59265</b> |
| 3 × 400 mm, cable 2 m, class A, range: -90 to +350°C/0.001°C                     |                    |
| <b>Immersion resistance thermometer Pt100 in glass<sup>3)</sup></b>              | <b>10 16 59270</b> |
| 3 × 400 mm, cable 2 m, class A, range: -90 to +350°C/0.001°C                     |                    |
| <b>Surface sensor type K<sup>1), 2)</sup></b>                                    | <b>10 16 54106</b> |
| 15 × 170 mm with thin-line thermocouple, cable 1.5 m, range: -50 to +400°C/0.1°C |                    |
| <b>Humidity/atmospheric pressure sensor, digital<sup>1), 2)</sup></b>            | <b>10 16 53953</b> |
| 9 × 65 mm, cable 2 m, range: 5 – 98% r.H. / -20 – +60°C / 700 – 1100 mbar        |                    |
| <b>Sensor for barometric pressure<sup>1), 2)</sup></b>                           | <b>10 16 59645</b> |
| Hose connector: 5 mm, L 90 × W 20 × H 7.6 mm, range: 700 – 1050 mbar             |                    |
| <b>CO<sub>2</sub> sensor, digital<sup>1), 2)</sup></b>                           | <b>10 16 54143</b> |
| 18 × 250 mm, cable 1.5 m, range: 0 – 10,000 ppm, -40 – +60°C, 700 – 1100 mbar    |                    |

Other sensors and parameters are available on request.

1) suitable for PHYSICS 51

2) suitable for PHYSICS 100/300

3) suitable for PHYSICS 1000

### Accessories

| Article                                           | Order No.          |
|---------------------------------------------------|--------------------|
| Mains adapter 230 V, 200 mA                       | <b>10 16 55790</b> |
| USB cable (galvanically isolated, max. 115.2 kB)  | <b>10 16 55791</b> |
| Software PHYSICS VIEW                             | <b>10 16 58306</b> |
| Rubber sleeve for digital measuring device        | <b>10 16 55884</b> |
| Case for measuring device, sensor and accessories | <b>10 16 57844</b> |

