

B220A

Ambient conditions probe



Highlights

- ❖ Air temperature and relative humidity
- ❖ High accuracy, stability and repeatability
- ❖ Fully integrated in UT-ONE B03A thermometer readout
- ❖ Probe characterization with custom coefficients
- ❖ Calculated dew-point temperature
- ❖ Direct connection or via extension cable
- ❖ Rugged design
- ❖ Ambient conditions monitoring
- ❖ Reference instrument in calibrations
- ❖ Evaluation of climatic chambers and rooms

Specifications Summary

| Ambient conditions probe | |
|------------------------------|--------------------------------|
| Sensor type | Sensirion SHT75 |
| Extension cable | 2 metres |
| Sampling period | 4 seconds |
| Response time | 1 minute (typical) |
| Probe characterization | Polynomial correction function |
| Temperature range | -20 to 70 °C |
| Temperature resolution | 0.01 °C |
| Temperature accuracy | ±0.5 °C |
| Relative humidity range | 10% to 90%, non-condensing |
| Relative humidity resolution | 0.05% |
| Relative humidity accuracy | ±2% |

Ordering Information

| Description | Order code |
|--|------------|
| Ambient conditions probe (air temperature and relative humidity) | BH-B004 |
| UT-ONE B03A thermometer readout* | BH-B003 |

* B220A Ambient conditions probe is applicable only as optional accessory for UT-ONE B03A thermometer readout