



- **Article number**  
8120.TFF

Temperature & humidity probe

| General                  |                       |
|--------------------------|-----------------------|
| Dimensions               | Length 85 mm, Ø 12 mm |
| Weight                   | Approx. 50 g          |
| Protection type          | Polycarbonate / IP65  |
| Operating temperature    | -40...80 °C           |
| Operating humidity range | 0...100 % RH          |
| Storage temperature      | -40...80 °C           |
| Storage humidity         | 20...80% RH           |

| Air temperature |                                                                               |
|-----------------|-------------------------------------------------------------------------------|
| Measuring range | -40...80 °C                                                                   |
| Unit            | °C                                                                            |
| Accuracy        | at 20 °C $\pm 0.1$ °C;<br>at 0...40°C $\pm 0.2$ °C;<br>otherwise $\pm 0.5$ °C |

| Relative humidity |                                                                |
|-------------------|----------------------------------------------------------------|
| Measuring range   | 0...100 %                                                      |
| Unit              | %                                                              |
| Accuracy          | $\pm 2$ % r.H. (0...90 % r.H.), $\pm 3$ % r.H. (90...100 % RH) |

| Absolute humidity |                          |
|-------------------|--------------------------|
| Measuring range   | 0...300 g/m <sup>3</sup> |

|      |                |
|------|----------------|
| Unit | $\text{g/m}^3$ |
|------|----------------|

## Dew point temperature

|                 |             |
|-----------------|-------------|
| Measuring range | -40...80 °C |
|-----------------|-------------|

|      |    |
|------|----|
| Unit | °C |
|------|----|

## Specific enthalpy

|                 |              |
|-----------------|--------------|
| Measuring range | 0...550 g/kg |
|-----------------|--------------|

|      |      |
|------|------|
| Unit | g/kg |
|------|------|