

# PRECIPITATION MEASURING TECHNOLOGY

## Precipitation Sensor

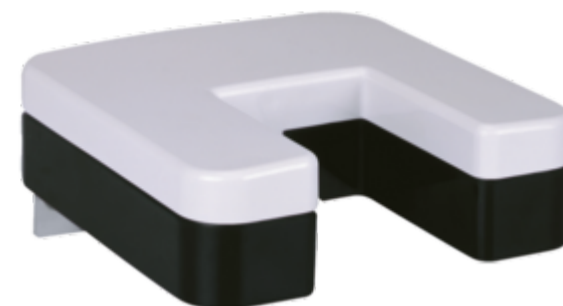
**Part number: 5.4103.20.x41**

Herefrom, control- and warning signals can be derived. The precipitation is detected opto-electronically via a measuring area of approx. 25 cm<sup>2</sup>.

Output of the measuring signal as intensity-dependent analogue value.

Integrated heating avoids snow covering or freezing of the instrument during winter operation.

Delivery including mast holder, which can be used for wall mounting, as well.



## Specification

**Part number: 5.4103.20.x41**

### Precipitation

|                 |                                |
|-----------------|--------------------------------|
| Measuring range | 0 ... 10 mm/min                |
| Collecting area | 25 cm <sup>2</sup>             |
| Meas. principle | optical, infrared photo sensor |
| Particle size   | > 0.2 mm                       |

### Data output analog

|             |  |
|-------------|--|
| Type        | 4.0 ... 8.0 mA ( 0 ... 0.01 mm/min.)<br>8.0 ... 12.0 mA ( 0.01 ... 0.1 mm/min.)<br>12.0 ... 16.0 mA ( 0.1 ... 1.0 mm/min.)<br>16.0 ... 20.0 mA ( 1.0 ... 10 mm/min.) |
| Output type | Precipitation intensity  |

### Operating voltage

|                     |                 |
|---------------------|-----------------|
| Electronic          | 24 V AC/DC ±15% |
| Current consumption | ca. 90 mA       |
| Heating             | max. 1 A        |

### General

|               |                   |
|---------------|-------------------|
| Ambient temp. | -30 ... +60 °C    |
| Protection    | IP 65             |
| Dimension     | 130 x 140 x 40 mm |
| Weight        | 0.4 kg            |

## Versions

As per 5.4103.20.x41, but:

Product number 5.4103.20.041

**General**

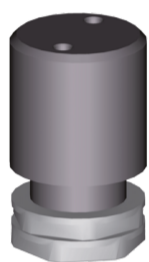
|                    |             |
|--------------------|-------------|
| Electr. connection | Cable gland |
|--------------------|-------------|

Product number 5.4103.20.741

**General**

|                    |                 |
|--------------------|-----------------|
| Electr. connection | Plug connection |
|--------------------|-----------------|

## Accessories

| Product   | Product name        | Brief description  |          |     |           |              |        |        |
|---|---------------------|--|----------|-----|-----------|--------------|--------|--------|
|  | Peg complete 506350 | Adapting of measuring value transmitters for traverse compact.<br><br><b>General</b><br><table border="1"> <tr> <td>Material</td> <td>POM</td> </tr> <tr> <td>Dimension</td> <td>Ø 40 x 65 mm</td> </tr> <tr> <td>Weight</td> <td>0.1 kg</td> </tr> </table> | Material | POM | Dimension | Ø 40 x 65 mm | Weight | 0.1 kg |
| Material  | POM                 |  |          |     |           |              |        |        |
| Dimension   | Ø 40 x 65 mm        |  |          |     |           |              |        |        |
| Weight  | 0.1 kg              |  |          |     |           |              |        |        |