

Precipitation Transmitter with extended heating

Instrument serves as sensor for quantity and intensity of precipitation, for the digital transmission of measuring values.

The measuring principle is in accordance to the “Guide to Meteorological Instruments No 8” of the WMO. The precipitation is conducted into the tipping bucket via the collecting area and funnel. On achieving the maximum volume capacity the bucket tips over. Each tipping event is acquired contract-free, is linearized, and output for further processing.

Specification

Part number: 5.4032.45.008

Precipitation

| | |
|-----------------|---------------------|
| Collecting area | 200 cm ² |
| Resolution | 0.1 mm |
| Meas. principle | tipping bucket |
| Intensity | max. 11 mm / min |

Data output digital

| | |
|-------------|--------|
| Output type | pulses |
|-------------|--------|

Operating voltage

| | |
|------------|-----------------------|
| Electronic | 5 ... 24 V DC |
| Heating | 24 V AC/DC, max. 114W |

General




| | |
|------------------|----------------------|
| Ambient temp. | -35 ... +60 °C |
| Mounting | on mast tube Ø 1,5'' |
| Model | with heating |
| Dimension | Ø 186 x 445 mm |
| Weight | 3.3 kg |
| Material housing | stainless steel |

Versions

No other versions of this product are available.

Accessories

| Product | Product name | Brief description |
|---------|--------------|-------------------|
|---------|--------------|-------------------|

| | | |
|---|--|---|
|  | <p>Device to Refuse Birds 5.4010.00.011</p> | <p>Protection against bird drop-pings for the collecting funnels of the Ombrometer (5.4032.45.008). Refuses birds on the edge of the collecting funnel.</p> <p>General</p> <p>Mounting Clamping diameter Ø 197 mm</p> <p>Material stainless steel</p> <p>Dimension Ø 370 x 100 mm</p> <p>Weight 0.35 kg</p> |
|  | <p>Wind Protection Element 5.4032.00.000</p> | <p>Serves as optional accessory for uninterrupted acquisition even in case of wind.</p> <p>Material</p> <p>Frame stell, zinc plated</p> <p>Laminations stainless steel</p> <p>General</p> <p>Height 800 mm</p> <p>Diameter 1000 mm</p> <p>Weight 18 kg</p> <p>Mounting Ø 48 mm</p> |
|  | <p>Power Supply Unit 9.3388.00.001</p> | <p>Provides power, for Ombrometer and Precipitation Transmitter 5.4032.45.008</p> <p>primary: • 230 V AC</p> <p>secondary: • 24 V AC / 140W</p> <p>Operating voltage</p> <p>Primary 230 V AC / 50 ... 60 Hz</p> <p>Secondary 24 V AC / 140W</p> <p>General</p> <p>Protection IP 65</p> <p>Dimension 200 x 200 x 135 mm</p> <p>Weight 3.7 kg</p> <p>Matirial housing Synthetic</p> |



Stand
9.4031.35.xxx

Used to mount the preceding Ombrometer, resp. Precipitation Transmitter. The collecting area can be elevated to a height of 1; 1.2 or 1.5 m.

General

Material steel, zinc plated

Tube diameter Ø 48.3 mm

Mounting distance 450 mm

