

# PRECIPITATION

## Precipitation Transmitter with extended heating

**Part number: 5.4032.45.008**

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


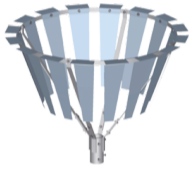

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Precipitation	
Collecting area	200 cm <sup>2</sup>
Resolution	0.1 mm
Meas. principle	tipping bucket
Intensity	max. 11 mm / min
Data output digital	
Output type	pulses
Operating voltage	
Electronic	5 ... 24 V DC
Heating	24 V AC/DC, max. 114W
General	
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												
	<b>Device to Refuse Birds</b> 5.4010.00.011	<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><b>General</b></p> <table border="1"> <tr> <td>Mounting</td> <td>Clamping diameter Ø 197 mm</td> </tr> <tr> <td>Material</td> <td>stainless steel</td> </tr> <tr> <td>Dimension</td> <td>Ø 370 x 100 mm</td> </tr> <tr> <td>Weight</td> <td>0.35 kg</td> </tr> </table>	Mounting	Clamping diameter Ø 197 mm	Material	stainless steel	Dimension	Ø 370 x 100 mm	Weight	0.35 kg				
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	<b>Wind Protection Element</b> 5.4032.00.000	<p>Serves as optional accessory for uninterrupted acquisition even in case of wind.</p> <p><b>Material</b></p> <table border="1"> <tr> <td>Frame</td> <td>stell, zinc plated</td> </tr> <tr> <td>Laminations</td> <td>stainless steel</td> </tr> </table> <p><b>General</b></p> <table border="1"> <tr> <td>Height</td> <td>800 mm</td> </tr> <tr> <td>Diameter</td> <td>1000 mm</td> </tr> <tr> <td>Weight</td> <td>18 kg</td> </tr> <tr> <td>Fixing boring</td> <td>Ø 48 mm</td> </tr> </table>	Frame	stell, zinc plated	Laminations	stainless steel	Height	800 mm	Diameter	1000 mm	Weight	18 kg	Fixing boring	Ø 48 mm
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	<b>Power Supply Unit</b> 9.3388.00.001	<p>Provides power, for Ombrometer and Precipitation Transmitter 5.4032.45.008</p> <p>primary:  <ul style="list-style-type: none"> <li>230 V AC</li> </ul> secondary:  <ul style="list-style-type: none"> <li>24 V AC / 140W</li> </ul> <p><b>Operating voltage</b></p> <table border="1"> <tr> <td>Primary</td> <td>230 V AC / 50 ... 60 Hz</td> </tr> <tr> <td>Secondary</td> <td>24 V AC / 140W</td> </tr> </table> <p><b>General</b></p> <table border="1"> <tr> <td>Protection</td> <td>IP 65</td> </tr> <tr> <td>Dimension</td> <td>200 x 200 x 135 mm</td> </tr> <tr> <td>Weight</td> <td>3.7 kg</td> </tr> <tr> <td>Matirial housing</td> <td>Synthetic</td> </tr> </table> </p>	Primary	230 V AC / 50 ... 60 Hz	Secondary	24 V AC / 140W	Protection	IP 65	Dimension	200 x 200 x 135 mm	Weight	3.7 kg	Matirial housing	Synthetic
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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
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Tube diameter	Ø 48.3 mm
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Mounting distance	450 mm
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