

PRECIPITATION MEASURING TECHNOLOGY

Precipitation Transmitter

Part number: 5.4032.35.00x

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: 5.4032.35.00x

Precipitation	
Measuring range general	max. 11 mm / min
Collecting area	200 cm²
Resolution	0.1 mm
Meas. principle	tipping bucket
Accuracy	± 3%
Data output digital	
Output type	pulses
Operating voltage	
Electronic	5 ... 24 V DC
General	
Mounting	on mast tube Ø 1,5"
Dimension	Ø 186 x 445 mm
Weight	3.3 kg
Matirial housing	stainless steel

Versions

As per 5.4032.35.00x, but:


Product number 5.4032.35.007

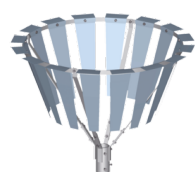
Operating voltage	
Electronic	5 ... 24 V DC
General	
Ambient temp.	0 ... +60 °C
Model	without heating

Product number 5.4032.35.008

Operating voltage	
Electronic	5 ... 24 V DC
Heating	24 V AC/DC, max. 50W
General	
Ambient temp.	-25 ... +60 °C
Model	with heating

Accessories

Product	Product name	Brief description	
	Device to Refuse Birds 5.4010.00.010	Protection against bird drop-pings for the collecting funnels of the Ombrometer (5.4032.35.007 / 008; 5.4033.35 / 36 ...).	
		Refuses birds on the edge of the collecting funnel.	
		General	
		Mounting	Clamping diameter Ø 186 mm
		Material	stainless steel
		Dimension	Ø 360 x 100 mm
		Weight	0.32 kg



Wind Protection
Element
5.4032.00.000

Serves as optional accessory for uninterrupted acquisition even in case of wind.

Material

Frame	stell, zinc plated
Laminations	stainless steel

General

Height	800 mm
Diameter	1000 mm
Weight	18 kg
Mounting	Ø 48 mm



Power Supply Unit
9.3388.00.000

Provides power, for Ombrometer and Precipitation Transmitter.

primary:

- 230 V AC

secondary:

- 26 V AC / 3.46 A
- 24 V AC / 0.5 A
- 12 V DC / 0.3 A

Operating voltage

Primary	230 V AC / 50 ... 60 Hz
Secondary	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A

General

Protection	IP 65
Dimension	125 x 125 x 125 mm
Weight	2.7 kg
Matirial housing	Synthetic



Power supply Unit
9.3389.10.000

For the power supply of wind speed transmitters, wind direction transmitters or combined instruments.

primary:

- 230 V AC

secondary:

- 2 x 24 V AC / 27.5 W
- 1 x 24 V AC / 75 W
- 1 x 24 V AC / 5 W
- 1 x 24 V DC / 2 W

Operating voltage

Primary	230 V AC / 50 Hz / 0.63A
Secondary	2 x 24 V AC / 27.5 W 1 x 24 V AC / 75 W 1 x 24 V AC / 5 W 1 x 24 V DC / 2 W

Electrical connection

Series terminals	20
Cable gland	5 x M16x1.5 2 x M20x1.5

General

Housing	plastic
Protection	IP 65
Dimension	300 x 230 x 132 mm
Weight	approx. 4.2 kg



Power supply Unit
9.3389.10.010

For the power supply of wind speed transmitters, wind direction transmitters or combined instruments.

primary:

- 115 V AC

secondary:

- 2 x 24 V AC / 27.5 W
- 1 x 24 V AC / 75 W
- 1 x 24 V AC / 5 W
- 1 x 24 V DC / 2 W

Operating voltage

Primary	115 V AC / 50 ... 60 Hz / 1.3A
Secondary	2 x 24 V AC / 27.5 W 1 x 24 V AC / 75 W 1 x 24 V AC / 5 W 1 x 24 V DC / 2 W

Electrical connection

Series terminals	20
Cable gland	5 x M16 x1.5 2 x M20 x1.5

General

Housing	plastic
Protection	IP 65
Dimension	300 x 230 x 132 mm
Weight	approx. 4.2 kg



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



Stand
9.4031.36.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. Material is stainless steel

General	
Material	stainless steel
Tube diameter	Ø 48.3 mm
Mounting distance	450 mm