

# **PRECIPITATION**

# **Precipitation Transmitter**

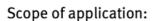
#### Part number: 5.4041.x1.00x

The device combines cutting-edge weighing technology in a very small space with a self-emptying collection vessel. The system provides excellent resolution and high precision.

Even minute drops will be measured.

The weighing precipitation transmitter is suited for use in meteorological and hydrological monitoring networks as well as applications in the area of environmental monitoring.

Modbus RTU-interface facilitates installation of the sensor and its integration into networks. The device is WMO-compliant and is equipped with interfaces which are compatible with sensors with tipping bucket balances and other weighing systems. Other features are the compact, robust design, a very low weight, stainless steel housing, weather resistance and longevity. High connectivity is ensured by multiple interfaces as well as easy installation and maintenance.



- Meteorology
- Climatology
- Hydrology
- Industry
- · Environmental monitoring

# **Specification**

Part number: 5.4041.x1.00x

200 cm <sup>2</sup>				
0.001mm (pulse output: 0.01mm)				
Weighing with automatic self-emptying function				
0 20mm/min or 0 1200mm/h				
0.1mm or 1% (quantity < 6 mm/min) 2% (quantity > 6 mm/min)				
Liquid (item without heating: solid, mixed)				
Pulses				
Operating voltage				
9 32 V DC				
24V DC, 140 W (item with heating)				
0 +70°C (item without heating) -40 +70°C (item with heating)				
At mast tube Ø 60mm				
IP 67				
292mm x 190mm (H x D)				
Approx. 2.7 kg				





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information:



## **Versions**

### As per 5.4041.x1.00x, but:

Product number	5.	.404	1.	01	.000
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Data output digital	
Interface	RS485 - ASCII
General	
Heating	With heating at funnel, outlet and collection vessel
Ambient temp.	-40 +70 °C
Product number 5.4041.01.	001
Data output digital	
Interface	RS485 - MODBUS RTU
General	
Heating	With heating at funnel, outlet and collection vessel
Ambient temp.	-40 +70 °C
Product number 5.4041.11.	000
Data output digital	
Interface	RS485 - ASCII
General	
Heating	Without
Ambient temp.	0 +70 °C
Product number 5.4041.11.	001
Data output digital	
Interface	RS485 - MODBUS RTU
General	
Heating	Without
Ambient temp.	0 +70 °C

# **Accessories**

Product	Product name	Brief description
	Signalling cable 214165	CABLE, assembled M12 1.5 Meters POL: 8





information:



	Signalling cable 214166	CABLE, assembled M12 10 Meters POL: 8			
	Heating cable 214167	CABLE, assembled M12 1 Meters POL: 4			
	Heating cable 214168	CABLE, assembled M12 10 Meters POL: 4			
	Device to Refuse Birds 5.4010.00.010	Protection against bird drop-pings for the collecting funnels of the Ombrometer (5.4032.35.00 / 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		
	Tube extension and adaption 510217	The pipe extension / adaptation is required to achieve the collection height of 1m with the stand and to adapt the different diameters.			
	Stand, height 0.65 m	Model with  • Stand height 0.65 m (Collecting height 1.0 m)			
	9.4031.35.065	General			
		Height	0,65 m		
		Collection height	1 m		
		Weight	6.5 kg		





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