Thics

PRECIPITATION

Precipitation Transmitter

Part number: 5.4033.36.0xx

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

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.

Analogue output:

The following output functions are selectable:

1.) The analogue output is available as accumulated value in proportion to the precipitation pulses. Here, the analogue value is reset automatically to zero mm precipitation in case of measuring value exceeding, or through an external pulse.

2.) The analogue output can deliver the data as gliding accumulated value over a selectable time (10 / 60 min., 6 / 24 h).

Pulse output: The precipitation pulse is available in parallel to the analogue output via an optocoupler

Specification

Part number: 5.4033.36.0xx

Precipitation			
Collecting area	200 cm ²		
Resolution	0.1 mm		
Meas. principle	tipping buccket		
Intensity	max. 11 mm / min		
Data output digital			
Output type	pulses		
Data output analog			
Meas. range	10 / 20 / 25 / 50 mm prec.		
Operating voltage			
Electronic	5 24 V DC		
Heating	without heating		
General			
Mounting	on mast tube Ø 1,5``		
Dimension	Ø 186 x 445 mm		
Weight	3.3 kg		
Matirial housing	stainless steel		





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Versions

As per 5.4033.36.0xx, but:

Product number 5.4033.36.040				
Data output analog				
Туре	0 20 mA			
Stromausgang	max. 500 Ω	max. 500 Ω		
Product number 5.4033.3	5.041			
Data output analog				
Туре	4 20 mA			
Stromausgang	max. 500 Ω	max. 500 Ω		
Product number 5.4033.3	.061			
Data output analog				
Туре	0 10 V	0 10 V		
Product number 5.4033.3	5.073			
Data output analog				
Туре	0 5 V			

Accessories

Product	Product name	Brief description		
	Device to Refuse Birds 5.4010.00.010	Protection against bird drop-pin / 008; 5.4033.35 / 36). Refuses birds on the edge of the	gs for the collecting funnels of the Ombrometer (5.4032.35.007	
		General		
		Mounting	Clamping diameter Ø 186 mm	
		Material	stainless steel	
		Dimension	Ø 360 x 100 mm	
		Weight	0.32 kg	
	Wind Protection Element	Serves as optional accessory for uninterrupted acquisition even in case of wind.		
	5.4032.00.000	Material		
		Frame	stell, zinc plated	
		Laminations	stainless steel	
		General		
		Height	800 mm	
		Diameter	1000 mm	
		Weight	18 kg	
		Fixing boring	Ø 48 mm	



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wer Supply iit 3388.00.000	primary: • 230 V AC secundary: • 26 V AC / 3.46 A • 24 V AC / 0.5 A • 12 V DC / 0.3 A Operating voltage Primary Secundary General Protection Dimension Weight Matirial housing	ometer and Precipitation Transmitter. 230 V AC / 50 60 Hz 26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
3388.00.000	 230 V AC secundary: 26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A Operating voltage Primary Secundary General Protection Dimension Weight Matirial housing 	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	secundary: • 26 V AC / 3.46 A • 24 V AC / 0.5 A • 12 V DC / 0.3 A Operating voltage Primary Secundary General Protection Dimension Weight Matirial housing	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	 26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A Operating voltage Primary Secundary General Protection Dimension Weight Matirial housing 	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	 24 V AC / 0.5 A 12 V DC / 0.3 A Operating voltage Primary Secundary General Protection Dimension Weight Matirial housing 	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	 12 V DC / 0.3 A Operating voltage Primary Secundary General Protection Dimension Weight Matirial housing 	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	Operating voltage Primary Secundary General Protection Dimension Weight Matirial housing	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	Primary Secundary General Protection Dimension Weight Matirial housing	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	Secundary General Protection Dimension Weight Matirial housing	26 V AC / 3.46 A 24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	General Protection Dimension Weight Matirial housing	24 V AC / 0.5 A 12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	Protection Dimension Weight Matirial housing	12 V DC / 0.3 A IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	Protection Dimension Weight Matirial housing	IP 65 125 x 125 x 125 mm 2.7 kg Synthetic	
	Protection Dimension Weight Matirial housing	125 x 125 x 125 mm 2.7 kg Synthetic	
	Dimension Weight Matirial housing	125 x 125 x 125 mm 2.7 kg Synthetic	
	Weight Matirial housing	2.7 kg Synthetic	
	Matirial housing	Synthetic	
	For the power supply of wi	ind speed transmitters, wind direction transmitters or combined	
	For the power supply of wi	ind speed transmitters, wind direction transmitters or combined	
	instruments. primary: • 230 V AC secundary: • 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	
	Secundary	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	
		300 x 230 x 132 mm	
	Dimension		
		Cable gland General Housing	



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	Power supply Unit 9.3389.10.010	instruments. primary: • 115 V AC secundary: • 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	eed transmitters, wind direction transmitters or combined	
		Operating voltage		
		Primary	115 V AC / 50 60 Hz / 1.3A	
		Secundary	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 Or area can be elevated to a height General Material Tube diameter Mounting distance	mbrometer, resp. Precipitation Transmitter. The collecting t of 1; 1.2 or 1.5 m. steel, zinc plated Ø 48.3 mm 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	



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