



Rain gauge

Rain gauge is the instrument for the measuring of rain quantity. The device is composed of a collector cone and a double-chamber tipping bucket connected to a magnet that operates one reed switch, which generates impulses that can be counted by external meters: each impulse is equal to 0.2 mm of rainfall (optional 0.1 and 0,5 mm). The external body is made of anodized aluminum.

For sites with sub-zero temperatures, the thermostatic heated models (DQA131.1-951-136.1), ensure the complete melting of snow, even at extreme temperatures, and avoid ice formation on its body. Data output of the models DQA950-951 is RS485 using Modbus RTU® and TTY-ASCII protocols.

Order numb.

DQA130.1#C (1) **DQA131.1#C** (1) **DQA950** (1) **DQA951** (1) **DQA135.1#C** (2) **DQA136.1#C** (2)

	200 mm				357 mm	
	324 cm ²					
	324 cm ²		1000 cm ²			
Diameter	200 mm				357 mm	
Collector surface	324 cm ²					
Heater	NO	YES	NO	YES	NO	YES
Heater power supply	-	24 Vac	10÷30Vac/dc	24 Vac	-	24 Vac
Heater power consumption	-	60 W	0,5 W	60 W	-	60 W
Operative temperature	>0°C	>-20°C	>0°C	>-20°C	>0°C	>-20°C
Weight	2 kg	2,3 Kg	-	-	2,5 Kg	2,8 Kg
Output	Pulses. Max load 20 mA/24V non inductive		RS485		Pulses. Max load 20 mA/24V non inductive	
Protocols	-	-	Modbus RTU®, TTY-ASCII		-	-
Programmable data output	-	-	Pulse date/time, Tot. (1÷3600 s)		-	-
RS485 protection	-	-	Galvanic insulation (3 kV, UL1577)		-	-
RS485 speed	-	-	1200÷115 kbps		-	-
Data logger compatibility	M-Log (ELO007-008), R-Log (ELR515), E-Log (all models)		-	-	M-Log (ELO007-008), R-Log (ELR515), E-Log (all models)	

Common features

Rain gauge	<i>Principle</i>	Tipping bucket
	<i>Design</i>	WMO accordance
	<i>Resolution</i>	0,2 mm
	<i>Uncertainty</i>	Rain intensity 0÷1 mm/min: ± 0,2 mm Rain intensity 1÷10 mm/min: 1%
	<i>Housing</i>	Aluminum
	<i>Calibration certificate</i>	Included
	<i>Data logger compatibility</i>	M-Log (ELO007-008), R-Log (ELR515), E-Log (all models)

Accessories

Order numb.

DYA039	Base plate for ground installation
DYA040	Mast-mounting device for ø 50 mm pipe
DYA058	Lateral support. Requires DYA040
DWA510	Cable L = 10 m
DWA525	Cable L = 25 m
DWA526	Cable L = 50 m
DWA527	Cable L = 100 m
DEA280	Integrator for DQA130#C/131#C Range: 0-20 mm. Output: 4-20 mA. Power supply: 24 Vac
DEA285	Integrator for DQA130#C/131#C Range: 0-20 mm. Output: 4-20 mA. Power supply: 12 Vdc
DEA282	Integrator for DQA130#C/131#C Range: 0-20 mm. Output: 0-5 Vdc. Power supply: 24 Vac





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.