

*Rain and Snow
precipitation gauge*

- Measurement of:
solid and liquid precipitation
one minute intensity
total sum of precipitation
rain duration
- Elimination of:
wind vibration
particles
unreal step change of weight
evaporation
temperature fluctuation
- Output signals:
contact
serial RS 485 / SDI12
- Extra low consumption < 45mW
- Easy maintenance
- Evaluation and control of accuracy
“in situ”
- Local and remote diagnostics
- Orifice heating included
- Direct replacement of tipping
bucket rain gauge

Options:

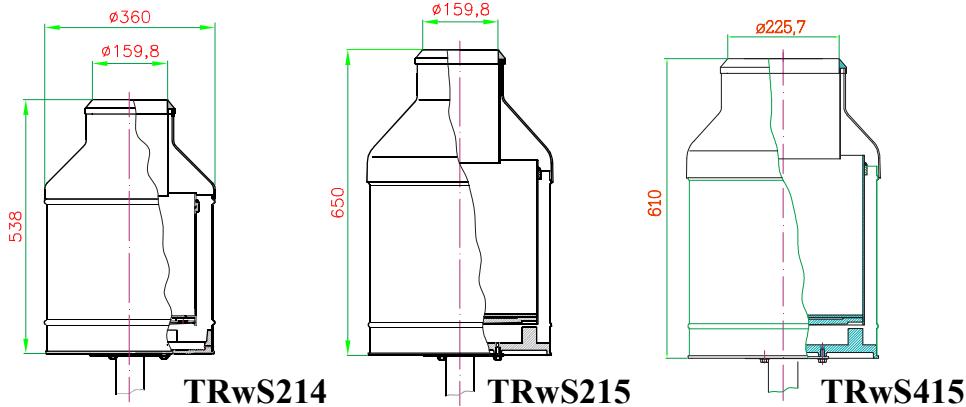
- Air temperature measurement
- Rain detector
- Wind speed estimation
- Corrected data eliminating wind
influence



Technical specification:

	Type			
	TRws214	TRws514	TRWS215	TRWS415
Orifice area	200cm ²	500cm ²	200cm ²	400cm ²
Range of precipitation	750mm	250mm	1500mm	750mm
Accuracy absolute			±0.1%	
Accuracy relative			±1%	
Threshold amount	0.05mm/40min	0.02mm/40min	0.05mm/40min	0.025mm/40min
Threshold intensity	0.05mm/min	0.02mm/min	0.05mm/min	0.025mm/min
Maximum rain intensity			120mm/min	
Resolution			0.001mm	
Measuring element			strain-gauge bridge	
Power supply			5÷30VDC / max. 4mA@12V	
Heating supply			10÷30V / 0.83÷2.5A	
Output contact (1/0.1/0.01mm)			U _{max} =30V, I _{max} =300mA, f=2Hz	
Serial output			RS485 / SDI12	
Dimensions	ø360×540mm	ø360×380mm	ø385×650mm	ø385×610mm
Weight	8.0kg			9.5kg
Operating temperature range			-40 ÷ 70°C	
Operating humidity range			0÷100%	
Degree of protection			IP65	
Options:				
	Ambient air temperature measurement			
	Wind speed estimation			
	Wind shield			

Dimensions:



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