

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
- **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**

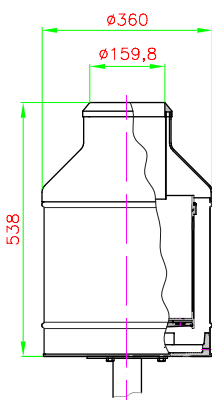


Fulfills all WMO recommendations

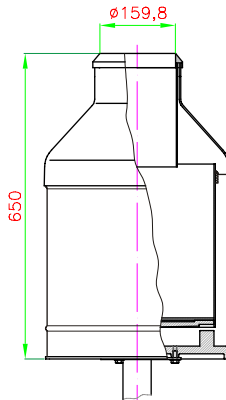
Technical specification:

	<i>Type</i>			
	TRws204	TRws504	TRWS205	TRWS405
Orifice area	200cm ²	500cm ²	200cm ²	400cm ²
Range of precipitation	750mm	250m	1500mm	750mm
Accuracy	0.1%			
Maximum rain intensity	120mm/min			
Resolution	0.001mm			
Measuring element	strain-gauge bridge			
Power supply	8÷24VDC / max 15mA			
Heating supply	12V/1A (option 24V/1A)			
Output contact (1/0.1/0.01mm)	U _{max} =30V, I _{max} =300mA			
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:				
Air temperature measurement	- 40÷70 °C (±0.5) °C			
Wind speed estimation	Extra value			
Wind correction	yes			
Wind shield	yes			

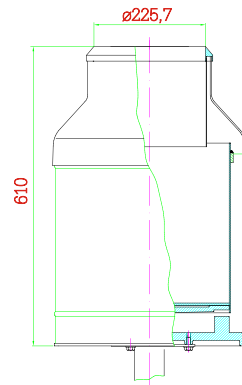
Dimensions:



TRws204



TRws205



TRws405

rev.: 1.03

MPS systém, s.r.o.

Pri vinohradoch 326
831 06 Bratislava
Slovakia



ISO 9001:2009

Tel: +421 2 4488 9486

Mobil: +421 905 602 171

email: info@mps-system.sk

web: www.mps-system.sk