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METEOROLOGISCHE INSTRUMENTE KG
R. FUESS

For rain, snow and hail measurement:

221,1E

Precipitation Pulse Transmitter RE2

The precipitation pulse transmitter is a sensor to measure rain and equipped with a heating devise (option RE2/H) snow and hail as well.

Catchment area of 200 cm² and measurement resolution of 0.1 mm meets the recommendations of the WMO.

The RE2 has a dry reed contact, which can be connected to any counter or data logger. It is also available with a build in battery powered data logger for independent measurement on any location (option TGRP-1200).

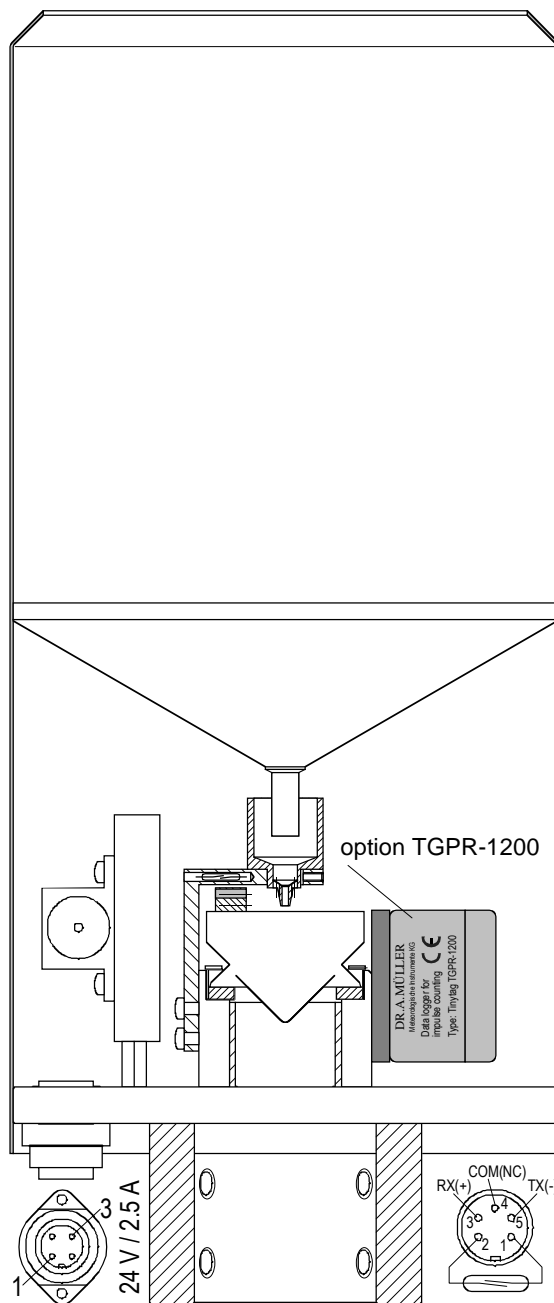
The RE2 has a water tight 5 pin connector to read out the data from the data logger via its RS 232 interface (pin 3 RX, pin 4 COM, pin 5 TX). Furthermore, the dry reed contact is connected to it (pin 1 and pin 2).

Specifications

Sensor type	: Tipping bucket
Catchment area	: 200 cm ²
Measuring range	: 0...180 mm/h
Resolution	: 0.1 mm
Accuracy	: 1 % up to 25 mm/h 3% above 25 mm/h

Signal output	
Basic version	: dry reed contact
Option TGRP-1200	: RS 232 interface
Power supply(RE2/H):	24 V / 2.5 A
Ambient temperature :	4... + 50 °C
heated (RE2/H) :	-20...+50 °C

Dimension	: 440 x 185 mm (HxD)
Weight	: 3.2 kg
heated (RE2/H)	: 3.6 kg
Material	: stainless steel, aluminium, Delrina



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