

rain[e]observer

COMPLETE SYSTEM FOR PRECIPITATION MEASUREMENT



Advanced technology for precipitation detection

Providing uncompromising product quality, the rain[e]observer combines the most innovative technologies for precipitation detection and measurement in one complete system. The weighing sensor rain[e] precisely determines precipitation amount and intensity from the very first drop. The Observer acquisition module also classifies the data into 16 precipitation types (defined by WMO) using radar measuring technology.

This real-time complete system simplifies measurement and data acquisition while ensuring the fastest possible response to flood events or road condition reports.

- Extremely fast, safe, easy to install and maintenance-free
- Reliable detection of precipitation types with radar technology
- Universally usable with all common data loggers and data acquisition systems
- Advanced technology designed to prepare for disasters and enable reaction within seconds

APPLICATIONS

- Precipitation measurement networks
- Measuring networks in the water industry
- Weather services
- Early flood warning
- Traffic meteorology
- Wastewater treatment plants
- General meteorology and hydrology

Professional Line	rain[e]observer
Id-No.	32.15184.300000
Measuring range	According to SYNOP code table in the manual
Protocols	SDI-12, Modbus RTU
Range of application	-40...70 °C (heated, no icing, no snow drifting)
Environmental conditions	For storage -55...+80 °C
Current consumption	In addition to the respective rain[e] 14 mA at 24 V; max. 25 W in heating mode
Protection class	IP65, IP67
Weight	Observer module: approx. 0.64 kg; Observer installation set: approx. 2.1 kg
Material	Brackets and fasteners: V4A Cover: PC (Polycarbonate – UV stabilized) Base plate: Aluminum, anodized Lamellae: ASA Traverse profile: Aluminim Junction Box: PA6
Accessories (order separately)	Weighing precipitation sensors rain[e], rain[e]314, rain[e]400, rain[e]H3 Data logger Ser[LOG] Further accessories (power supplies, masts, traverses, cables, etc.) please see brochure

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