



MEASURING MODULE

Tank level measurement



HYDROZONE BENEFIT



KRAJOWA
OCENA
TECHNICZA*

* dotyczy urządzeń podczyszczających
oraz korpusów zbiornika



EPM I

Hydrostatic probe

No.	Type	Sensor	Installation
1	EPM1	Hydrostatic probe	Retention chamber
2	EPM2	Radar probe	Retention chamber

Description:

The EPM tank fill level measurement is the basis for the modules that use the stored rainwater in the retention chamber. EPM measurement is linked to the monitoring and management system BUMERANG SMART.

On the basis of the data from the EPM measuring system and the weather forecast, the algorithm for control and use of in-situ retention water will be implemented. The system continuously analyses the status of individual facilities and, on the basis of the implemented algorithms, automatically activates appropriate system measures. In the case of forecast rainfall exceeding the current retention capacity of the tanks or the capacity of the normal drainage system, a procedure for lowering the level of the retention tank will be initiated.

In addition, the current status of the monitored facilities is displayed and appropriate alarms are generated in case of adverse events.

Level measurement in the tank is carried out using a hydrostatic probe as standard (with optional use of a radar probe) mounted directly in the storage tank. Level measurement with the probe is carried out using the correlation between the height of the liquid head and the induced hydrostatic pressure. In addition to the probe, the measurement system includes a set of mounting elements necessary for mounting the probe in the retention tank.