

GREISINGER

Member of GHM GROUP

pH measurement in the water treatment plant



GPHU 014 MP-BNC – pH transducer
from GHM GROUP

pH measurement with the GPHU 014

The requirements placed on us

Demanding requirements are imposed on drinking water. It is often obtained by treating untreated groundwater and bank filtrate. Water is purified in several stages and its properties are adapted to meet the requirements in water treatment plants, such as the plant in the Austrian city of Willersdorf in Burgenland. The plant has been operated since 2000 by eom solutions, a specialist for measuring system solutions. It supplies around 950 homes in the Bad Tatzmannsdorf-Oberschützen-Mariasdorf Water Board network comprising over 65 km of pipeline.

Before it reaches the consumer, the water undergoes numerous analyses, including pH value determination. Drinking water must not have a pH value lower than 6.5 and not higher than 9.5 in accordance with the Austrian Drinking Water Ordinance. Therefore, several pH measuring points are required in the plant for exact control of the metering systems.



BENEFITS.

- simple to use
- quick integration into existing systems
- can be used without special knowledge

Our solution

With integration of the GPHU 014 pH transducer and the GE 117 pH electrodes from the GHM GROUP, eom solutions was able to achieve affordable and easy-to-manage measurement for its customers.

The measuring devices were installed in the untreated water supply, as well as upstream and downstream from the water treatment plant. Easy integration into the existing system by screwing the pH probes into the measuring points without further adaptation and adjustments guarantees quick commissioning of the plant. No special knowledge is required for operation, which means no training measures are required for personnel of the water treatment plant.

Benefits

- robust housing
- reliable and precise measurement
- angle plug connector for simple installation
- standard BNC connection for simple replacement of electrodes
- outstanding price / performance ratio

Our customer

eom solutions – Energy Optimizing Monitoring



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pH measurement in the untreated water supply



The display of the transducer can be temporarily switched to temperature display



pH measurement upstream and downstream from the water treatment plant. The pH electrodes were integrated into existing sampling points.



pH electrode GE 117
Gel electrolyte of the GHM GROUP



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