

PRESS RELEASE

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New Online Process Analyser from Hach Measures Lower Range of Orthophosphate Levels with High Accuracy and Stability

New technology meets upcoming stricter limits

Loveland, Colo. – (September 2018) – Hach® (www.hach.com) is announcing the release of the Phosphax sc LR, designed for wastewater treatment professionals who are facing lower phosphorous discharge requirements due to new regulations. The new standards in phosphorous discharge are meant to limit the problems of eutrophication, the excessive growth of plants and algae in surface waters which is caused by higher phosphorous levels.

“The trend for the future is stricter limits on phosphorous discharge,” said Jeff Stock, Hach’s Senior Director of Process Solutions. “Plant managers will need to optimise their systems to meet the new limits – and they’ll need new technology to measure low levels with high accuracy.”

The European Water Framework Directive (WFD) 2000/60/EC requires that rivers, lakes, transitional and coastal waters, and groundwater achieve “good status” by the year 2027 at the latest. Reducing nutrient and pollutant inputs into surface waters and groundwater, from diffuse and point sources is a key EU-wide water management issue and a part of the WFD. In the European Union, depending on the plant size and location, phosphorous discharge limits are expected to be in the range of 0,5-2,0 mg/L, and in some areas as low as 0,2 mg/L. The levels of 0,2 mg/L and lower remain a focus for innovation, as most experts agree this is not economically realistic given current technology. This also brings new challenges of reliable measurement and accuracy at such low levels.

New challenges, new technology

Hach’s newest innovative solution, the Phosphax sc LR, measures orthophosphate as low as 0,015-2,0 mg/L, giving plant operators accurate, low-range measuring capabilities. The analyser, with its new built-in photometric unit and new split reagent dosing technology, is well-suited for use within the process treatment area (e.g. in aeration basins to monitor the flocculation process) and offers robustness, lower running costs, less maintenance, capability for outside use, and zero requirement to cool reagents.



About Hach

For 85 years, Hach (www.hach.com) has provided innovations to support our customers. Hach gives customers confidence in their water analysis by delivering expert answers, outstanding support, and reliable, easy-to-use solutions. Hach analytical instruments, services, software, and reagents are used to ensure the quality of water in a variety of industries in more than 100 countries globally.

Sources:

1. European waters EEA Report No. 7/2018. Assessment of Status and Pressures 2018
2. https://www.umweltbundesamt.de/sites/default/files/medien/1968/publikationen/wrrl_englisc_he_version_dez_2016.pdf