

# New Inline Sludge Consistency Sensor Delivers Exceptional Accuracy and Cost Savings

*Boasts concentration range of 0% to 8% with reproducibility of  $\pm 0.02\%$  (absolute). Decreases use of expensive flocculants by up to 20%.*

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/EINPresswire.com/ -- PCE Instruments has introduced a new inline sludge consistency meter, PCE-A-344W, that provides exceptionally accurate sludge consistency measurement in real time. The PCE-A-344W in-process sludge consistency analyzer boasts a measurement or concentration range of 0% to 8% with a reproducibility of  $\pm 0.02\%$  (absolute).

In addition to remarkable precision, the PCE-A-344W inline sludge consistency sensor delivers significant cost savings. The PCE-A-344W decreases the use of expensive flocculants by up to 20%; reduces energy consumption, polymer use and laboratory testing costs; and lowers labor costs by automating the sludge consistency monitoring process.

Suitable for the continuous monitoring of dissolved substances or suspended solids in wastewater, the PCE-A-344W in-process sludge consistency meter uses microwaves to penetrate the surface of the sludge every second and obtain consistency readings without heating. An integrated temperature probe ensures the readings are accurate from 5°C to 50°C (41°F to 122°F).

The PCE-A-344W inline sludge consistency sensor can be connected to evaluation software, data loggers, process controllers and distributed control systems.

Deployed successfully in numerous sewage treatment and industrial papermaking plants, the PCE-A-344W in-process sludge consistency analyzer has proven to be consistently accurate over time. There is no need for further maintenance after installation.

Installation of the PCE-A-344W is straightforward and can be done by the customer with or without remote assistance from PCE Instruments. Onsite installation and technical support services are available throughout the United States, Canada, Western Europe and South America.

For the complete technical specifications for the PCE-A-344W inline sludge consistency meter, see <https://www.pce-instruments.com/ft/us/inline-moisture-measurement.htm#product-10>. For technical advice or to place an order, email [info@pce-americas.com](mailto:info@pce-americas.com) or call (561) 320-9162.



PCE-A-344W

[About PCE Instruments / PCE Americas Inc.](#)

PCE Americas Inc. is the North American branch of PCE Instruments (PCE), a leading developer, manufacturer and supplier of high-quality test, control, lab and weighing equipment, offering more than 500 different measuring instruments for applications in engineering, manufacturing, food and hygiene, aerospace and environmental industries. Founded by German engineers nearly two decades ago, PCE boasts a large product portfolio that covers a wide range of scientific instrumentation needs, from environmental testers and moisture analyzers to lab and industrial scales and balances, video inspection cameras and sensor equipment. In addition, PCE's development department can provide specialized measurement products and solutions on demand. For more information, visit <https://www.pce-instruments.com/us/>.

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