

Flow device helps improve accuracy and reproducibility of chemical reactions

For labs looking to improve accuracy, reproducibility, and yield from liquid phase chemical reactions - **TESTA Analytical Solutions e.K** has developed the

Chemistry flowmeter.



Accurately measuring the rate of addition of liquid reagents

is a critical consideration for many labs undertaking batch or flow chemistry reactions. When using peristaltic or piston pumps to add expensive chemicals or other fluids into a reaction, labs must ensure the rate of addition is both accurate and constant as part of quality control. Without accurate flow measurement, too much or too little chemical can be injected into a reaction. Also, if the rate of addition of reagents is not constant this can also result in adverse outcomes, expensive reagent overuse, lower final product yield and safety issues. In fact, inaccurate flow measurement can mean the difference between profits and lost revenue.

Designed to be fully compatible

with most solvents, acids, and bases – the Chemistry flowmeter sets a new standard for continuous, non-invasive measurement of the flow rate of pumps being used to add liquid reagents to chemical reactions. Compact in size, and conveniently powered via a USB connection, the TESTA Analytical Chemistry flowmeter uses a thermal flow sensor that is extremely accurate, sensitive, and high-resolution. As the sensor is non-invasive it can operate over a wide dynamic range and has been demonstrated to be the perfect real-time flow measurement tool for monitoring both batch and flow chemistry reagent addition pumps



The Chemistry flowmeter

uses a highly intuitive PC-based app for continuous recording, display and storage of the measured flow rates. The current reagent addition flow rate is also displayed on the devices integral high-resolution OLED Display, ensuring the accuracy and consistency of reagent addition is readily controlled.

For further information

on the **Chemistry flowmeter** please visit <https://www.custom-chromatography.com/technologies.htm> or contact Testa Analytical Solutions on +49-30-864-24076 / info@testa-analytical.com.

TESTA Analytical Solutions

is a leading specialist supplier of liquid chromatography instruments and detectors. Drawing upon over 30-years' experience, TESTA Analytical Solutions has established itself as a respected creator and supplier of top quality, innovative, high performance chromatography instrument kits, and detectors with OEM clients around the world.

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