

## Improving fraction purity and yields from preparative liquid chromatography

### The Prep Flowmeter

from TESTA Analytical is a new compact device for **continuous monitoring** of **preparative HPLC purification** and downstream processing systems.

### Preparative liquid chromatography

is a trusted method for applications including purification of chiral drugs, fingerprinting of peptides, proteins, oligonucleotides, and purification of fine chemicals. Capable of precise monitoring of liquid flow rates of up to 650ml / minute in real time, the Prep Flowmeter is an ideal tool for monitoring preparative scale systems used to produce larger quantities of pure compounds.

### The necessity

for such a device arises from the frequent use of fraction collectors with preparative liquid chromatography systems. Collection of different fractions is typically driven by volume measurement. Therefore, being able to precisely measure absolute flow rate can improve the purity of separated compounds. Also, knowledge of exact flow rate can also help optimization of the collection process thus improving the yield of individual fractions. In addition to process optimization, the Prep Flowmeter can also be used for periodic performance validation and troubleshooting problems with your preparative liquid chromatography system.

### The Prep Flowmeter

is conveniently sized and powers itself from a USB connection. The device uses a thermal flow sensor that is not only extremely accurate, sensitive, and high-resolution – but it also offers the advantage of being non-invasive. As the sensor does not interfere with your process measurement it can operate over a wide dynamic range.

### An easy-to-use PC

based App allows continuous recording and storage of the measured flow rates. The current flow rate is also displayed on the integral high-resolution OLED display, allowing easy control of current flow value. The device also offers communications data buffering to ensure that no data is lost even if the device temporarily loses connection to your PC.

### For further information

on the new Prep Flowmeter please visit <https://www.testa-analytical.com/flow-monitoring.html> or contact Testa Analytical Solutions on +49-30-864-24076 / [info@testa-analytical.com](mailto:info@testa-analytical.com).

TESTA ANALYTICAL SOLUTIONS e.K. • Sophienstraße 5 • 12203 Berlin

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.



-----

**Worldwide HQ**

**Testa Analytical Solutions e.K.**

Sophienstraße 5  
12203 Berlin  
Germany

Tel: +49-30-864-24076

Email: [info@testa-analytical.com](mailto:info@testa-analytical.com)

Web [www.testa-analytical.com](http://www.testa-analytical.com)