eralytics trusted solutions. re-imagined.

THE NEXT ERA

erafill s & erafill s22

SYRINGE AUTOSAMPLER

erafill Syringe Autosampler for Viscosity & Density Testing

This autosampler revolutionizes sample introduction and cleaning for the density meter era**dens X** and the kinematic viscometer era**visc X**.

With a clear focus on efficiency, the era**fill s** and era**fill s22** ensure effortless filling from syringes, ultimate precision, zero sample-to-sample carryover, and fully automated cell cleaning. Repeat measurements and multi-temperature analysis can be carried out with ease.



Automated Filling with Zero Contamination

The era**fill s22** enables automated batch testing, repeat measurements, and temperature scans for true walk-away operation. Each sample remains completely sealed within its low-cost 10 mL syringe throughout the measurement sequence, eliminating sample-to-sample carryover.

Efficient Cell Cleaning & Drying

Once a measurement is complete, the measuring cells of the master instrument are automatically cleaned using up to two different solvents and dried completely with filtered air. This optimized routine minimizes both turnaround time (<10 min total cycle) and solvent consumption.

Accurate and Precise Measurement

Hermetically sealed 10 mL syringes preserve light-volatile fractions to ensure accurate kinematic viscosity and density results. An integrated force sensor dynamically adjusts the injection speed according to sample viscosity, preventing liquid column tearing and bubble formation.

Seamless System Integration

The era**fill s22** features a robust metal stand with an integrated waste container, custom-designed to host the era**visc X** or era**dens X** master device. For compact lab setups, the single-position era**fill s** delivers the identical automated injection and cell-cleaning performance with a minimal benchtop footprint.

For laboratories with lower sample throughput that require rapid sample analysis, the era**fill s** offers the ideal compact solution.

Featuring a single-position syringe holder, it enables direct automated syringe injection into the master analyzer while maintaining fully automated cleaning capabilities.

The single-position era**fill s** can easily be upgraded to the 22-position rotating carousel at any time.



erafill s: Compact Single-Position Solution

Technical Specifications of era**fill s** & era**fill s22**

	era**fill s**	era**fill s22**
Number of Samples	Single-position syringe holder	22 positions (rotating carousel)
Filling Mode	Automatic syringe filling via Luer-tip	
Compatible Master Instruments	era**dens X**: Density, era**visc X**: Density & Viscosity & Viscosity Index (VI)	
Supported Syringes	Standard 10 mL (12 mL)	
Viscosity Range	Up to 5000 mm²/s @ ambient condition	
Typical Sample Volume	Density: 3 mL, Viscosity & Density: 6 mL, Viscosity Index (VI): 10 mL	
Typical Solvent Consumption	Density: 5 mL, Viscosity & Density: 9 mL @KV40 50 mm²/s (up to two solvents)	
Typical Measurement Time	2 min (without cleaning); Density: 4 min (incl. cleaning), Viscosity & Density: 6 min @KV40 50 mm²/s (incl. cleaning)	
Sample Temperature Range	15 °C – 35 °C	
Chemical Resistance	All wetted parts made of highly resistant materials	
Operating Conditions	5 °C – 45 °C, up to 90 % rel. humidity	
Power Requirements	110 – 240 VAC, 50 – 60 Hz, DC 24V, 5A	
Analyzer Interface	USB-C link to **era**lytics master device	
Special Feature	Integrated force sensor technology	Integrated force sensor & carousel indexing
Dimensions (W x H x D)	14.2 x 28.3 x 40.4 cm (5.6 x 11.1 x 15.9 in)	45.0 x 33.0 x 54.0 cm (17.8 x 13.0 x 21.3 in)
Weight	4.4 kg (9.7 lb)	10.9 kg (24.0 lb)

Due to continuing product development, specifications are subject to change.
All **era**lytics products are manufactured under ISO 9001 regulations and are CE, ROHS and UL/CSA compliant. **www.eralytics.com/eravisc-x**

eralytics instruments are available worldwide.
An international network of over 50 authorized and well-trained distributors is ready to answer your inquiries and to offer local support and service.
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