

# Sampling Solutions Start Here...



# *Samplify™*

from SIELC Technologies

Precise,  
Reproducible,  
Unattended  
Sampling – from:  
Reactors,  
Fermenters,  
Dissolution Vessels,  
Process Streams,  
and other Liquid  
Sources



## *What is Samplify™?*

*Samplify™* is an innovative new technology from SIELC, specifically designed for unattended, routine, periodic sampling of virtually any liquid source. Each sample is transferred automatically into an individual destination vial or 96-well plate. Vial trays or plates may then be loaded directly into a variety of analytical systems for further processing.

## *Samplify™* Probe



## *Samplify™* LHS



The *Samplify™* system consists of two principal components: 1) a sophisticated electro-mechanical sample probe constructed of materials providing chemical and temperature resistance, and 2) SIELC's renowned and highly flexible liquid handler (LHS) for pulling samples from the liquid source and distributing samples into destination locations. The LHS offers many additional capabilities; for example, the addition of quenching reagents into sample vials immediately after acquisition, if required, and thorough probe cleaning to guard against cross-sample contamination. The entire system may be controlled with SIELC's *Samplify™* Windows app, or via serial port using provided commands.

*Samplify™* is ultra-compact, allowing placement of the probe – or the probe plus LHS, as required – in confined spaces such as a reaction hood or a refrigerator.

# *Samplify*<sup>TM</sup>

## Specifications

### *Samplify* Probe

- **Connection:** requires Samplify LHS
- **Small dimensions:** 11 x 1 inch, DIA 1/4 inch. Immersion length up to 6"
- **Contact with liquid:** Stainless Steel 316 (316L), PEEK & PTFE
- **Variable sample volume:** from 5 to 500 µL
- **Max. working pressure:** 120 psi (8 bar)
- **Max. working temperature:** 200 °C

### *Samplify* LHS

- **Instrument Size:** 6 x 6.5 x 7 inch (15 x 16 x 17 cm)
- **Weight:** 5 lb (2.3 kg)
- **Collection Options:** 48 vial plate (2 mL vials); 96 well plate
- **Pressure Max:** 250 psi/ 14 bar (4000 µL volume)
- **Syringe Capacity Options:** 4000 µL
- **Valve Options:** 7x6
- **Volume Accuracy:** +/-1 µL (4000 µL volume)
- **Probe dead volume:** 767 µL
- **Syringe draw/refill rates:** 48,000 µL/min
- **Communication:** USB (type B) COM port
- **Power:** 24 V DC
- **Contact with liquid:** Stainless Steel 316 (316L), PEEK, PTFE, Vespel

### SIELC Technologies

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