

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*TM 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 μ L
- **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 μ L volume)
- **Syringe Capacity Options:** 4000 μ L
- **Valve Options:** 7x6
- **Volume Accuracy:** +/-1 μ L (4000 μ L volume)
- **Probe dead volume:** 767 μ L
- **Syringe draw/refill rates:** 48,000 μ L/min
- **Communication:** USB (type B) COM port
- **Power:** 24 V DC
- **Contact with liquid:** Stainless Steel 316 (316L), PEEK, PTFE, Vespel

SIELC Technologies

SIELC Technologies Corporation

804 Seton Court, Wheeling, IL 60090 USA

Phone:+1 (847) 229-2629; Fax:+1 (847) 655-6079

mail@sielc.com; www.sielc.com