

Logistically Enabled Sampling System (LESS™) Portable

LESS™-P is designed to sample on industry standard sorbent tubes. The sampler can collect multiple samples on a pre-set schedule or as triggered by sensor events. Dual flow paths allow duplicate sampling at two distinct flow rates. Each sorbent tube is sealed within the sampler manifold. The 'plug-and-play' manifold is designed to be shipped directly from the field to an analytical laboratory, ensuring sample integrity from collection to analysis.

Specifications

Manifold Sample Capacity:

28 Sorbent tubes (89mm L x 6.4mm OD)

Independent Flow Paths: 2 (14 positions per flow path)

Flow Range Options per path:

- 0-30 mL/min
- 0-200 mL/min
- 0-1000 mL/min

Flow accuracy: +/- 5%

Maximum concurrently sampled tubes: 2

Operational Modes:

- Programmed cascade samples
- Duplicate samples
- Distributive pair samples (two samples concurrent at different flow rates). *Example: one sample at 50ml/min and the other at 200ml/min.*
- Measurement interval as low as one second

Operational temperature range: -10° - 55°C



Approx. Dimensions: 11" L x 10" W x 8" D
27cm L x 25cm W x 20cm D



LESS™ Manifold

Flow path wetted materials: Silco-treated 6061 Aluminum, 316 Stainless Steel, and FKM

Isolation valve wetted materials: 316 stainless steel, PBS, PBA, FKM, and epoxy

Flow Control: Mass Flow Meter utilizing Pulse Width Modulation pump speed control (x2)

Sample Inlet Filter: 30 Micron

Input Power: 85-220 VAC 50/60 Hz

System native power: 12 VDC

Operational Power Consumption:
Min. 1 Watt, Max. 10 Watt

Contact Us

Kyle Hunt, CQA, LESS™ Product Manager
kylehunt@signaturescience.com • (512) 583-2463
8329 North MoPac Expressway • Austin, TX 78759
www.signaturescience.com
www.lessairsampler.com



Availability: 90-120 days
Pricing/Lease Rates: Please inquire.

Logistically Enabled Sampling System (LESS™) Industrial

LESS™-I is designed to sample on industry standard sorbent tubes. The sampler can collect multiple samples on a pre-set schedule or as triggered by sensor events. Dual flow paths allow duplicate sampling at two distinct flow rates. Each sorbent tube is sealed within the sampler manifold. The 'plug-and-play' manifold is designed to be shipped directly from the field to an analytical laboratory, ensuring sample integrity from collection to analysis.

Specifications

Manifold Sample Capacity:

28 Sorbent tubes (89mm L x 6.4mm OD)

Independent Flow Paths:

2 (14 positions per flow path)

Flow Range Options per path:

- 0-30 mL/min
- 0-200 mL/min
- 0-1000 mL/min

Flow accuracy: +/- 5%

Maximum concurrently sampled tubes: 2

Operational Modes:

- Programmed cascade samples
- Duplicate samples
- Distributive pair samples (two samples concurrent at different flow rates).
Example: one sample at 50ml/min and the other at 200ml/min.
- Measurement interval as low as one second

Operational temperature range:

-10° - 55°C

Flow path wetted materials:

Silco-treated 6061 Aluminum,
316 Stainless Steel, and FKM

LESS™ Manifold



Approx. Dimensions: 16" L x 16" W x 9" D
40cm L x 40cm W x 23cm D

Isolation valve wetted materials: 316 stainless steel, PBS, PBA, FKM, and epoxy

Flow Control: Mass Flow Meter utilizing Pulse Width Modulation pump speed control (x2)

Sample Inlet Filter: 30 Micron

Input Power: 85-220 VAC 50/60 Hz

System native power: 12 VDC

Operational Power Consumption:
Min. 1 Watt, Max. 10 Watt

Communication Options:

- RS-232
- RS-485
- Ethernet
- Fiber optic
- Modbus
- Cellular transceiver
- Short haul modem
- Telephone modem
- Satellite transceiver
- Spread spectrum radio

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Availability: 90-120 days
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Logistically Enabled Sampling System (LESS™) Bench Top

LESS™-BT is designed to sample on industry standard sorbent tubes. The sampler can collect multiple samples on a pre-set schedule as programmed and controlled from the touch screen interface. Dual flow paths allow duplicate sampling at two distinct flow rates. Each sorbent tube is sealed within the sampler manifold.

Specifications

Manifold Sample Capacity: 28 Sorbent tubes (89mm L x 6.4mm OD)

Independent Flow Paths: 2 (14 positions per flow path)

Flow Range Options per path:

- 0-30 mL/min
- 0-200 mL/min
- 0-1000 mL/min

Flow Accuracy: +/- 5%

Maximum concurrently sampled tubes: 2

Operational Modes:

- Programmed cascade samples
- Duplicate samples
- Distributive pair samples (two samples concurrent at different flow rates). *Example: one sample at 50 mL/min and another at 200 mL/min.*
- Measurement interval as low as one second

Operational temperature range: 4°- 50°C

Flow path wetted materials: Silco-treated 6061 Aluminum, 316 Stainless Steel, and FKM

Isolation valve wetted materials: 316 stainless steel, PBS, PBA, FKM, and epoxy

Flow Control: Mass Flow Meter utilizing Pulse Width Modulation pump speed control (x2)

Sample Inlet Filter: 30 Micron

Input Power: 85-220 VAC 50/60 Hz

System Native Power: 12 VDC

Operational Power Consumption:

Minimum 1 Watt, Maximum 15 Watt



Approx. Dimensions: 6" W x 9" H x 10" D
15cm W x 22cm H x 26cm D

Availability: 90-120 days

Pricing/Lease Rates: Please inquire.



Contact Us

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kylehunt@signaturescience.com • (512) 583-2463
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www.signaturescience.com
www.lessairsampler.com