

# CANTY

## PROCESS TECHNOLOGY

# LOFT

## LEVEL OBSERVATION FOAM TECHNOLOGY

with LabCam™  
technology



### HOW IT WORKS

The CANTY LabCam™ views lab scale fermenters and bioreactors and provides a continual control signal allowing the user to meter in antifoam only when required. The LabCam™ views a vessel from a side profile and quantifies liquid level and foam level as two separate measurements. The foam control function allows for significant savings of antifoam, improves process performance in cell culture growth and eliminates the need for additional purification. The liquid level control function allows for tight control, especially during the removal of media in perfusion processes.

### ADVANTAGES OF LOFT

The LOFT is an enclosure that compactly and completely encapsulates a lab scale bioreactor or other lab scale vessel. Modular in nature, the LOFT can fit basically any lab sized vessel. The LOFT keeps external light out which is ideal for photosensitive processes such as cell culture. Additionally, the LOFT allows for optimal temperature control of the vessel and it's contents. Finally, it ensures optimal imaging conditions for the LabCam™, enabling highly repeatable and accurate foam and level measurements and process control, facilitating fully automated, optimized solutions.

### FEATURES

- Advanced foam and level control of lab scale vessels
- Removal of external light which is key for photosensitive products, increasing yield in all processes
- Ideal temperature control eliminating hot spots due to band heaters
- Modular design allowing for optimized LOFT units to be manufactured for any lab scale vessel
- Remote view and visual verification

### SPECIFICATIONS

- 100-240VAC Input Power
- Integrated touch screen and display
- Typical Benchtop footprint of 24"(L)X11"(W)X14"(H)
- Enclosure optimized for every vessel
- Modbus TCP/IP outputting of foam and level data to existing automation. Consult Cauty for other outputting methods.

**CANTY**

[www.jmcanty.com](http://www.jmcanty.com)

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# TYPICAL VISUAL VERIFICATION AND SOFTWARE ANALYSIS



## ORDERING INFORMATION

HOW TO ORDER: Select the appropriate symbols and build a part number as shown:

### Ordering Information

EXAMPLE:

**LFT- 3EP D 1 0 0**

| Vessel Size |     |
|-------------|-----|
| 1           | 1 L |
| 2           | 2 L |
| 3           | 3L  |
| 4           | 4L  |
| 5           | 5L  |
| 6           | 6L  |
| B           | 20L |
| E           | 40L |
| F           | 60L |

| Vessel Make* |           |
|--------------|-----------|
| E            | Eppendorf |
| S            | Satorius  |
| C            | Chemglass |
| A            | Ace Glass |
| X            | Other     |

| Input Power** |                    |
|---------------|--------------------|
| D             | 100-240VAC 50/60HZ |

| Vessel Material |         |
|-----------------|---------|
| G               | Glass   |
| P               | Plastic |

\*Consult Canty for other supported vessels and complete drawing TA11950-1163 to submit with your request for dimensional verification by Canty

\*\*Consult Canty for other offerings

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