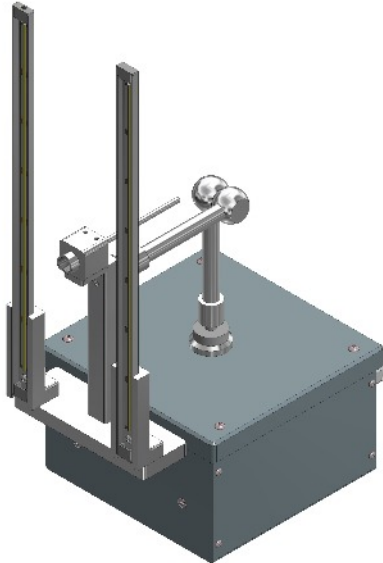


CANTY

PROCESS TECHNOLOGY

LABCAM™ LAB GLASS VESSEL CAMERA



FEATURES

- Non-contact Foam & Level monitoring and control
- Compact all-in-one design
- VCM is internal to PSU to reduce overall foot print
- No external power supplies required
- Available in 24V DC, 120V AC, or 230V AC
- Built in swiveling LED light source
- LED completely controllable within software
- Able to record video or view remotely
- System outputs via OPC UA, Modbus, or 4-20mA to a DCS or PLC for complete, closed-loop control
- Ideal system for foam detection - Canty Vector Control Module can output and control the addition of anti-foam
- Single use and stainless reactor models also available

HOW IT WORKS

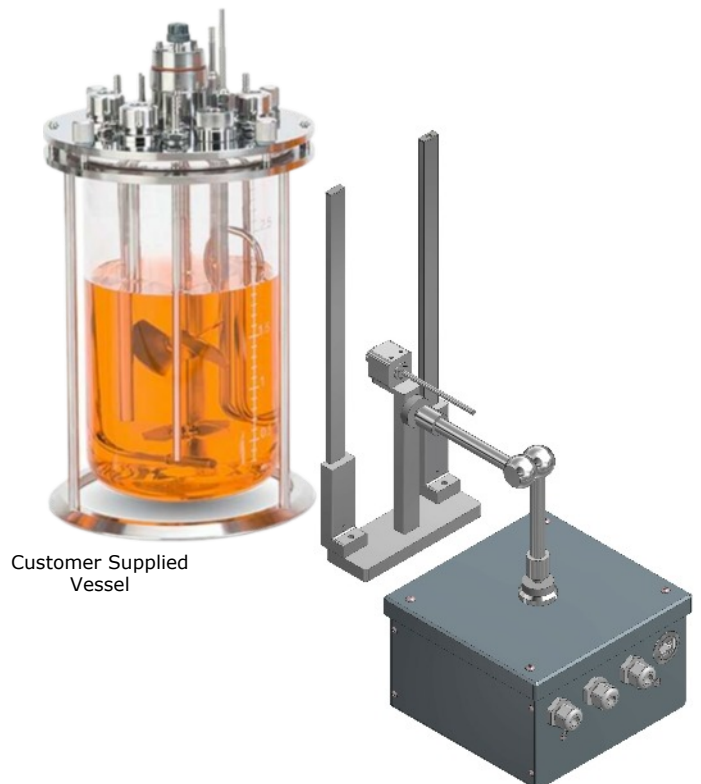
The CANTY LabCam™ is a lab / R&D camera engineered and designed for foam measurement and control in Bench-Top bioreactors. The LabCam™ combines the latest in LED lighting with Ethernet camera technology in a streamlined package to view the side of glass vessels. The camera utilizes built-in LED light strips that swivel to illuminate product in the vessel and are fully dimmable via the software. The all-in-one design is both compact and requires no additional external power supply for operation. The height and angle of the camera is adjustable for vessels of different volumes. Coupled with the Canty Vector Control Module located internally to the base of the system, the LabCam™ can be used for full control via OPC UA, Modbus, or 4-20mA.

FOAM DETECTION

The LabCam™ provides a continual view into lab scale bioreactors to quantify foam and liquid level. These measurements are outputted as control signals allowing the user to automatically meter in antifoam. The BioCam™ is an Ethernet based imaging system which connects to the CANTY VCM™ image processor that determines the amount of foam on the surface of the liquid. The foam control function allows for significant savings of antifoam, prevents product build up on vessel walls, improves process performance in cell culture growth and eliminates the need for additional antifoam fluids in purification. 24/7 monitoring and control also relieves the user from manually monitoring for foam events.

SPECIFICATIONS

Power Req: 24V DC or 120V AC
Bench Footprint: 6.375" x 6.375"
Camera Dims: 1" x 1" x 1.5"



Customer Supplied Vessel

CANTY

www.jmcanty.com

Document P/N: TA11500-1093_R3

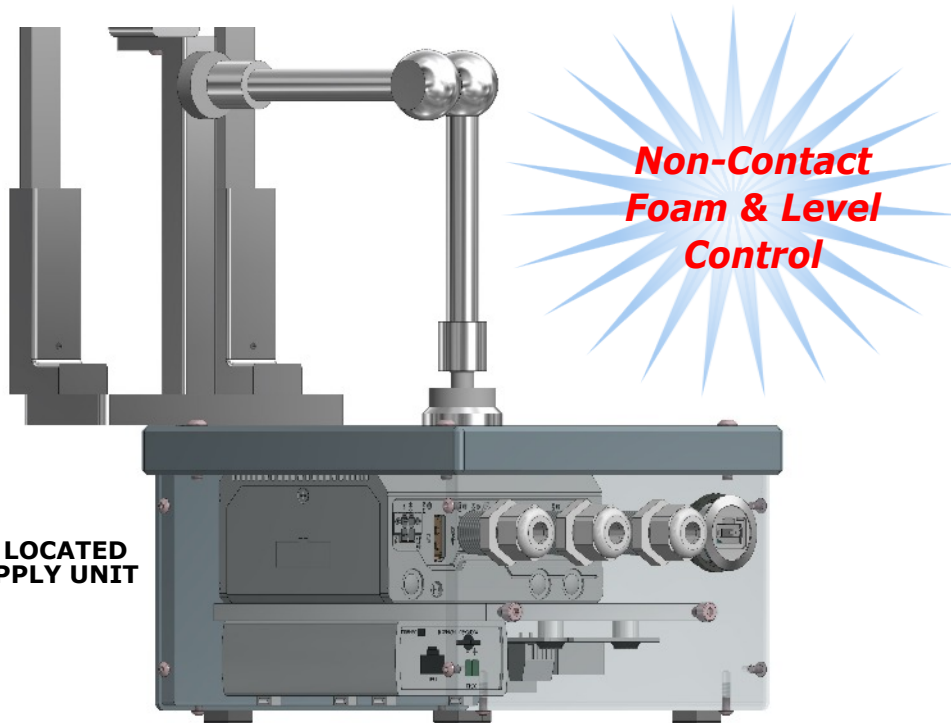
JM Canty Inc
JM Canty Intl Ltd

Buffalo, NY USA
Dublin, Ireland

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Ph: + 353 (01) 882 9621

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ORDERING INFORMATION



VCM INTERNALLY LOCATED
IN THE POWER SUPPLY UNIT

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

Ordering Information

EXAMPLE:

VLC- A A 3 1

HEIGHT RANGE	
A	10"
B	20"
C	30"
1	BLOCK MOUNTED AT 30 DEGREE ANGLE

QUANTITY	
1	ONE CAMERA
2	TWO CAMERAS
3	THREE CAMERAS

POWER OPTIONS	
2	USER SUPPLIES 24V DC
A	120V AC 60 Hz
B	230V AC 50 Hz
F	POE

SOFTWARE	
1	NO SOFTWARE INCLUDED
2	SOFTWARE LICENSE FOR ANALYSIS INCLUDED - FOR INSTALL ON CUSTOMER SUPPLIED WINDOW BASED PC
3	SOFTWARE INCLUDED ON CANTY SUPPLIED VCM

**See Datasheet TA12100-1012 for Vector Control Module details.

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