



Products
CryoFill

LN2 Level:
143mm
Temp. A: -189°C
Temp. B: -178°C

Fill

Delog
Quick

Menu

www.planer.com
enquiries@planer.com

Universal Touchscreen Controller

CryoFill

Universal touchscreen controller for LN2 storage tanks

The CryoFill universal controller, with its clear and easy to use touchscreen, can be configured to control different brands of liquid nitrogen biological storage tanks in your cryostore. A single standardised controller for all your different tanks makes it easier to train staff to safely use and reduce the risk of potentially catastrophic mistakes.

The CryoFill controller can also be used for tanks storing biological samples in liquid nitrogen or conventional vapour phase or even in dry vapour phase allowing it to be easily fitted to existing biological storage tanks of any brand or type.

The CryoFill can operate with either four point level sensor or pressure differential level measurement techniques. This provides the adaptability to meet different customer requirements regarding accuracy.

The CryoFill controller can be easily connected directly to an external alarm system, providing 24 hour peace of mind that if something should go wrong you will be informed of the problem and actions can be taken to resolve it as soon as possible. Logged data from the controller can be easily downloaded for audit purposes.

- Universal controller for all brands of storage tank
- Adaptable for different methods of level measurement
- Easy to use for day-to-day operation
- Clear touchscreen display
- Connectable to external alarms systems

Want to find out more about monitoring and safety equipment? enquiries@planer.com



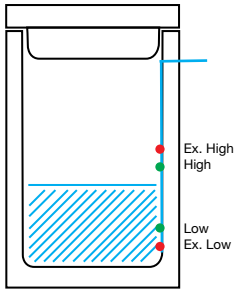
Normal Operation



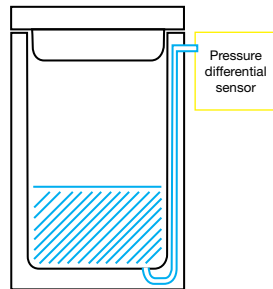
Alarm Mode

The clear, easy to read and intuitive touchscreen on the CryoFill controller makes day-to-day operation easy. Should an alarm occur the whole screen changes to red making it easy to identify the tank that is in alarm and the reason why.

The CryoFill can operate with either of the two industry standards for measuring liquid nitrogen level. Four point level sensors will provide high and low indications of liquid nitrogen level whereas pressure differential level measurement will provide actual measurement of the level of liquid nitrogen in the tank.



+ Very simple, basic level indication



+ Precise level indication

Features of the CryoFill Controller

Level Measurement and Control	Temperature Measurement	User Interaction and Alarm Output
PD: pressure differential sensor for real time level display (10 mm accuracy)	Two PT100 temperatures sensors with one degree accuracy (K/F/C)	Via a TFT touch screen (320 x 240 pixels)
4P: Four negative temperature coefficient sensors (level: extra high, high, low and extra low)	Two point temperature sensor calibration	Visual display of liquid nitrogen levels plus both probe and temperatures on same screen
Two fill valve – safety		Screen colour changes to indicate alarm plus text with alarm indication
Two gas-bypass valve		Audible alarm
Two point pressure differential calibration		NC/NO remote alarm, Ethernet or RS485 alarm options

Alarm Types	Communication	Basic controllers options
Level alarm high / low	USB port for controller diagnostics	Level read out and control – manual or automatic
Temperature alarm high / low	Two RS485 ports for communication with other controllers	Temperature read out and alarm
Fill time alarm	One ethernet port for alarm and monitoring or logging purposes	Timed, One fill all fill, simultaneous and cascade filling options
Usage alarm		Defog and quick cool options
Gas bypass time and temperature alarm		Lid open alarm
Sensor fault		Liquid usage control
Mains fault		Battery back-up
Lid open alarm		

Specifications may change without notice, third party trademarks acknowledged. DI048/V2

Planer Limited

110 Windmill Road, Sunbury-On-Thames
Middlesex TW16 7HD, United Kingdom
A Hamilton Thorne Company

Tel: +44 (0)1932 755 000
Fax: +44 (0)1932 755 001

enquiries@planer.com
www.planer.com