Gelida

INTELLIGENT INNOVATION OF LIQUID NITROGEN TANKS

Gelida 47: Intelligent, integrated liquid nitrogen storage ecosystem with 24/7 monitoring

GELIDA 47

Liquid Nitrogen Storage Ecosystem

Real-time monitoring for temperature and LN2

Instant audio, visual and digital alarms

Sample tracking software enabling remote alarm

Mobile Tank Management with PDA & App

One or Two-Person Access Authentication

Centralised management via Gelida Connect

Model	**Capacity**	**Net weight**
Gelida 47 for Straws Gelida 47 for Vials	47 L (10 canisters / 6 box racks)	Approx 30 kg
Battery life	**Touch screen**	**Storage temperature**
Min 10 days*	5 inch color touch display	-196° C Liquid Phase LN2

*Note: Battery life may be longer depending on access frequency, alarms and battery health.

Enhanced Security:
· Single or dual person authenticated tank access.
· Alerts via audio, visual and Gelida Connect App notification
· Gelida 47 notifies you via SMS and/or phonecall in case of an alarm when using Gelida Connect.

Peace of Mind:
· Real time monitoring and reporting of tank fleet status with Gelida Connect
· Automatic logging of tank access, alarms and warnings.

Connected Control:
· Mobile management with PDA and App.
· Centrally manage storage via Gelida Connect link to Gelida Ecosystem devices.

Wireless:
· Lid designed with quick swap battery, WiFi and integrated digital temperature sensors reducing external wiring.

Dual Sensors:
· Two temperature sensors within the tank enables temperature monitoring and estimation of LN2 levels.

Convenience:
· Touchscreen enables in person access, and quick recall tank condition and status.
· Gelida 47 displays the remaining liquid nitrogen level on the tank lid.
· Rolling wheel base with lockable wheels enables tank to be moved easily while full.

Gelida 47

Gelida Connect

Gelida Connect App

Gelida Connect PDA

GELIDA 47 CONFIGURATIONS

MODEL	GELIDA 47 (STRAWS)	GELIDA 47 (VIALS)
Capacity (L)	47	
Bare weight	30 +/- 3kg (66 Lbs)	
Full weight	~68 kg (158 Lbs)	
Neck Diameter	127 mm (5 inch)	
Outer diameter	Approx 540 mm (21.25 inch)	
Height	Approx 785 mm (30.9 inch)	
Storage Container Type For the straws, LxDiameter and vials DxWxH	Canister 278 x 72 mm 10.95 x 2.83 inch	Rack 5 boxes/rack Box Size 78 x 78 x 59 mm 3.07 x 3.07 x 2.32 inch
Amount	10	6
Screen size	5.0-inch colour 1280 × 720 capacitive multi touch	
Power supply	Battery: 5VDC Lithium Polymer Battery Charging Adapter: 100-240V~,50/60Hz,0.5A	
Unlocking mode	Digital password lock (single/dual authentication) Emergency access key	
Operation log	Automatic Recording	
Alarms	Abnormal temperature Low battery/loss of electricity Excessive tank open time	
Mode of data transmission	WiFi 802.11b/g/n AES-256 encryption algorithm	
Number of temperature sensors	2 High position and Low position within tank dewar	

PRODUCT NAME	TYPE	CONFIGURATION
Gelida 47 (Straws)	Instrument	10 Canisters
Gelida 47 (Vials)	Instrument	6 Racks
Gelida 47 Battery	Accessory	1 Spare Battery

Specifications for all markets are subject to regulatory approval and final product release.

GELIDA CONNECT SYSTEM

GELIDA CONNECT

All your cryotank information, visualised in one place.
Centralised management and monitoring allows you to
quickly view temperatures, capacity, battery levels, and alarms.
Through the interface devices can be remotely controlled
and located; features include remote single/batch unlocking,
and find my tank.

GELIDA CONNECT APP
Remote monitoring & digitised alerts.

The Gelida Connect APP can be installed on Android mobile
devices, enabling faster notification and response when
abnormal conditions arise. Remotely view tank status,
such as tank temperature, capacity, notification and alarm
information.

GELIDA CONNECT PDA
Gelida Connect features in the palm of you hand.

The Gelida Connect PDA is a mobile workstation you
can take with you. Enabling all monitoring functions, but
additionally adding tank control functions and sample
management functionality. Create sample deposit and
withdrawal orders, and identify sample location on the
screen; the inbuilt precision saves time and supports error
reduction efforts.

Device Management: Add, remove or edit basic device information, view tank capacity, tank status information, alarms, and retrieve access/operation records.

Sample Status: Book in deposit and withdrawal orders, select where to store a single sample, which samples to take out, and record all access statistics for tracability.

Alert Information: You can view the alarm status of all devices, including the device name, alert time, location, alert content, if a notification has been issued, alarm history, and whether the alarm is resolved. Gelida 47 notifies you via SMS in case of an alarm when using Gelida Connect.

User Management: Manage authorised users for all tanks in a central location. Usernames and passwords can be updated, deleted, and synced to all connected tanks.

Single Sample Tracking:
Sample information can be viewed and filtered, using name, gender, freezing time, sample unique ID, with traceability down to the location of where a single sample is stored within a tank.

Simplified Visuals: Quickly view the temperatures, capacity, battery level, alarms. A simplified visual interface allows devices to be remotely controlled and quickly located; features include remote single/batch unlocking, and "Find My Tank". Gelida 47 displays the remaining liquid nitrogen level on the tank lid.

Final appearance of features are subject to change; may vary depending on specific customer implementations, version of software and lab integrations.

Gelida Connect System

enables your lab to manage Gelida Ecosystem Cryostorage Tanks and precious samples, all within one centralised digital platform.

PRODUCT NAME	TYPE	CONFIGURATION
Gelida Connect System	Package	Gelida Connect, Gelida Connect PDA, Gelida Connect App
Gelida Connect	Software	Gelida Connect (Centralised management of devices)
Gelida Connect Pro	Software	Gelida Connect (Centralised management of devices)
Gelida Connect PDA	Accessory	-

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Please refer to the instructions for use.

For further information, please contact your Service Representative or visit:

www.geneabiomedx.com