ThermoFisher SCIENTIFIC

General purpose centrifuges

How can features and easier communication between the unit and the user be achieved with Thermo Scientific General Purpose X Series Centrifuges?

Thermo Scientific™ General Purpose X Series Centrifuges use a modern, intuitive touchscreen interface that has been extensively tested by customers to reduce learning and adjustment time.

- User-intuitive enables easy access and programming for faster results
- Equipped with lighthouse mode with run status visibility from across the lab that allows you to easily monitor your run progress with enlarged time and tracker bar
- Scheduling features and green compressor on/off features save energy and support sustainability
- Customizable end-of-run alerts in three volume-adjustable conditions to best suit your laboratory
- Enables optional connectivity and data management with Thermo Scientific™ SECURE-Spin™ Mode



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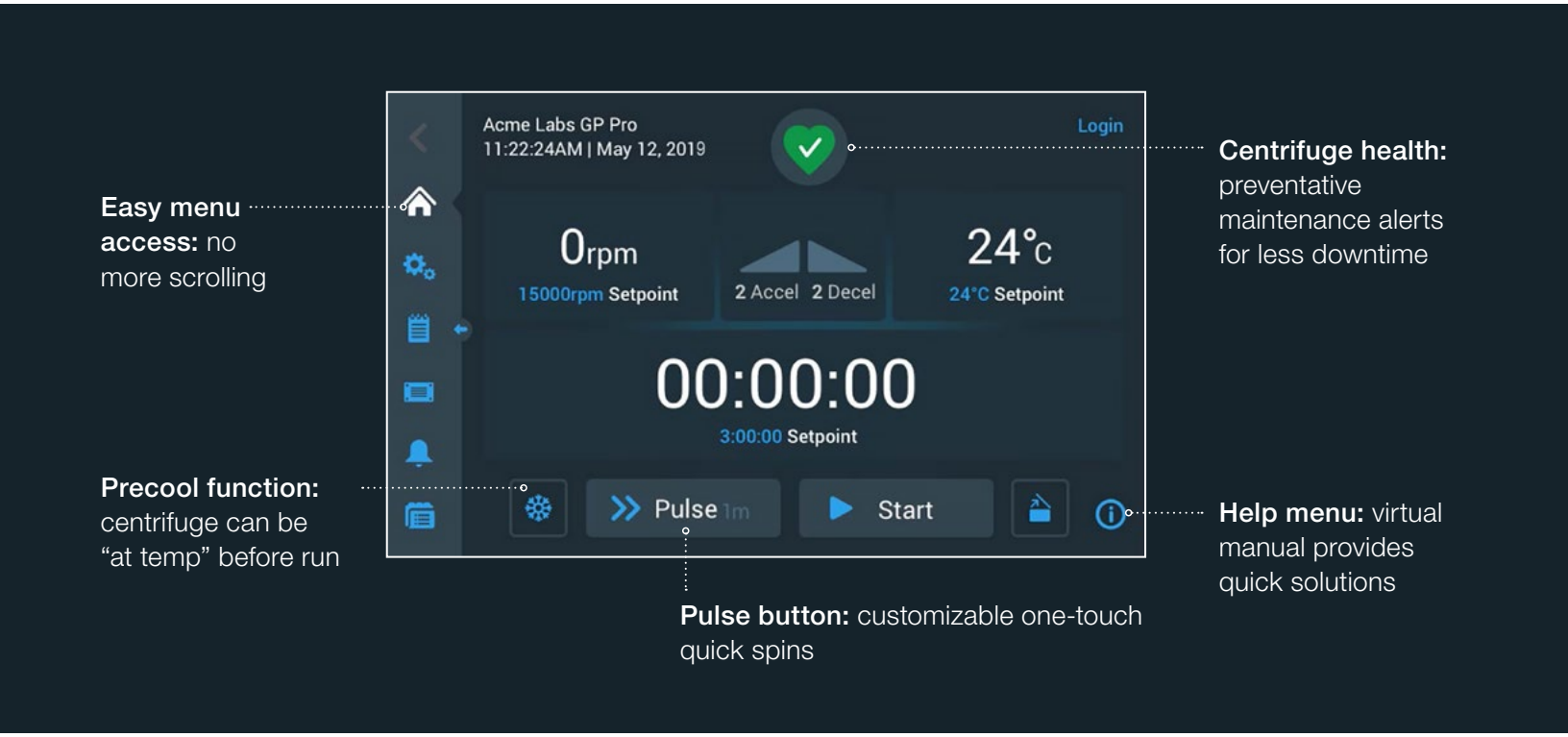


Figure 1: Home screen of General Purpose X Series centrifuges

Features of the touchscreen interface

- Easy accessibility of all centrifuge menus including settings, saved programs and alarms/alerts.
- Pre-temp button and stepped-programming option, designed for a faster set up of complex protocols.
- Customizable pulse button for quick on-the-fly spins.
- Quick access to helpful information screens.
- Scheduling features and preventative maintenance queues to reduce downtime:
  - Shut-down programming can extend compressor life and reduce energy costs.
  - Pre-programmed start-up of compressor enables seamless beginning of the working day as soon as the customer arrives with a pre-cooled centrifuge ready to go.

In today's busy laboratory, programming the General Purpose X Series Centrifuge is as easy as using your smart phone or tablet.



Figure 2: Centrifuge Health Status Icons

Benefits of the Centrifuge Health button

- Clear graphical representation of centrifuge health, indicating any existing alarms or alerts, including preventative maintenance cues to limit downtime. The Centrifuge Health Status Icons are shown in Figure 2.
- Alarm messages in the case of an unexpected situation with direct user instructions for further actions (Figure 3 shows an example of such message).
- Alert messages indicate non-dangerous situations and give further user recommendations (Figure 4).
- All information about the health status of the centrifuge is stored in the centrifuge! Capability to store data about multiple rotors and record number of cycles for each one of them (Figure 5).

Optional connectivity

- Optional SECURE-Spin Mode offers advanced and secure control features in the X Series centrifuges by supporting 21 CFR Part 11 data management and traceability.
- Compatible with Thermo Scientific™ Centri-Log™ Plus Data Management Software (Figure 6).

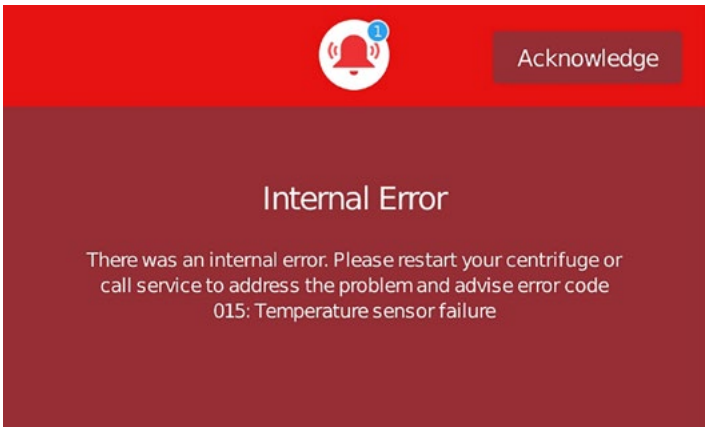


Figure 3: Centrifuge Health Alarm Status Icons give clear indication of the problem and corrective steps to be taken.

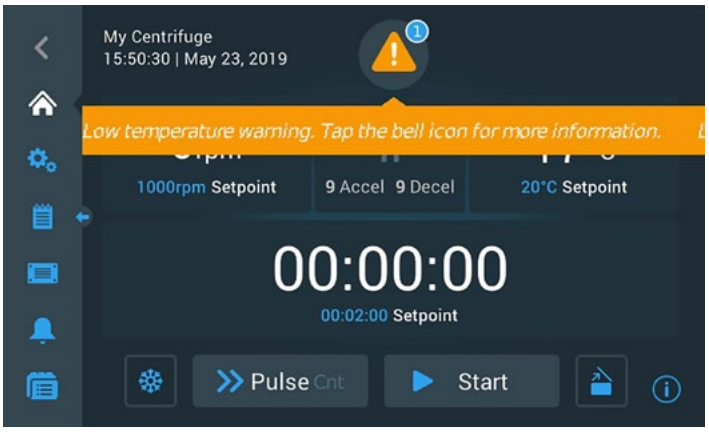
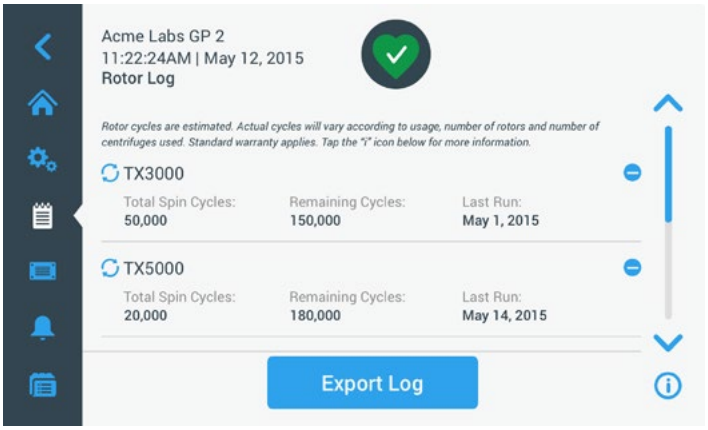


Figure 4: Centrifuge Health Alert Status Icon gives clear indication of a non-dangerous situation and provides recommendations.



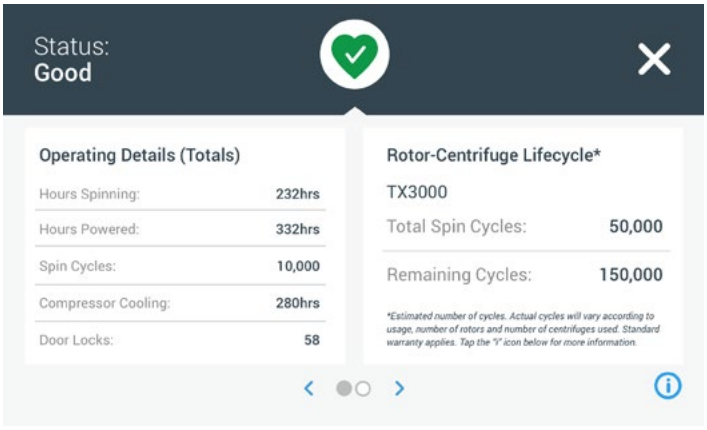


Figure 5: Centrifuge Health Status Icons provide information about centrifuge and rotors status.

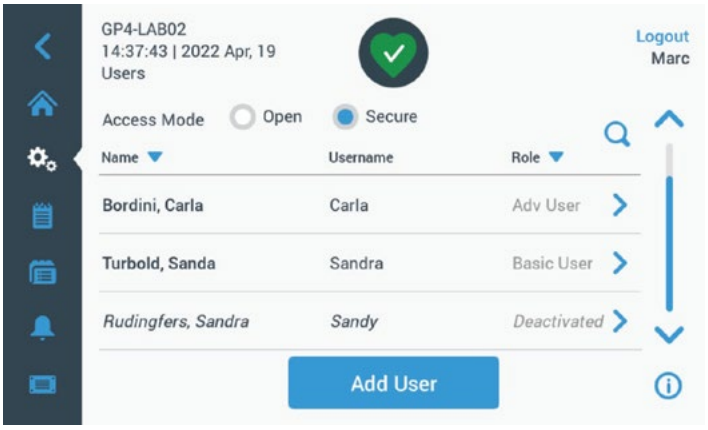


Figure 6: Secure-Spin Mode can store up to 120 user profiles and with customized user rights

Summary

Thermo Scientific General Purpose X Series Centrifuges feature a modern, intuitive touchscreen interface designed to simplify user interaction and enhance laboratory efficiency. The extensively tested interface reduces learning and adjustment time, providing easy access and programming for faster results. Optional connectivity supports data management and traceability.

Find out more at **thermofisher.com/centrifuges**

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