

# NEW Beta Star LS Control System

**BETA STAR**  
LIFE SCIENCE EQUIPMENT

**Beta Star now provides a PLC control system on their steam sterilizing autoclaves.**

The new **Beta Star LS** touch screen control provides operators with simple steps to selecting, operating and monitoring sterilization cycles using a color, touch-sensitive, screen.

Thirty (30) individual cycle recipes can be custom programmed for specific products using the supervisor access. Custom cycle parameter programming is supported from our robust PLC (Programmable Logic Control) system.

Pre-Programmed Sterilization Cycles Include:

- **Pre-Vacuum**
- **Liquids**
- **Bio-Bag**
- **Hard Goods**
- **Bowie-Dick Test**
- **Vacuum Leak Test**

Choose advanced functions for critical sterilization processes.

Advanced functions include:

- **F<sub>0</sub> Cycles** to reduce exposure time
- **Isothermal Cycles** for heat sensitive solutions
- **Air Over Pressure** for rapid cooling

## Security

Protect sterilizer operation and cycle values from being changed by unauthorized personnel with password security. Five (5) levels of user password security is provided.

- **Guest/No Login**
- **Operator**
- **Supervisor**
- **Maintenance/Technician**
- **System Administrator**

## Safety

The Beta Star LS control is programmed for superior processing and safety. Sterilizer pressure and temperature monitoring are combined to keep users safe and effluent temperature and volume below utility limits.

## Printer and Outputs

Included is an impact printer with automatic paper take-up mechanism that is easily accessible from the front of the sterilizer. The printout header contains pertinent cycle details for record keeping. A summary at the end of the cycle contains an accumulation of all necessary cycle phases. A front USB port and compact flash slot is provided for downloading cycle data.



**Beta Star LS** Control HMI (Human/Operator Interface) Screen  
5.7" Diagonal Screen Size, 256 Colors

## Cycle Monitoring

Operators can monitor in-cycle operation through the HMI (human/operator interface screen) which shows the sterilizers status, time of day, cycle times, temperatures, pressures, and any abnormal process conditions. The HMI also contains screens with maintenance diagnostics and the ability to view the status of the system's inputs and outputs.

The Beta Star LS control system monitors, controls and documents all critical process parameters during the sterilization phases. Process signals convert into electrical impulses providing accurate control readouts throughout the cycle.

## Regional Contacts

Contact Beta Star directly with questions regarding the Beta Star line of steam sterilizing autoclaves.

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