

## Advanced Autoclave Control System TACTROL® 2

At the heart of every Priorclave is the highly successful TACTROL®2 microprocessor control system which has been specifically developed for laboratory autoclaves. From simple cycles to fully featured multi-program operation with printed records, this powerful controller allows unrivalled flexibility and monitoring.

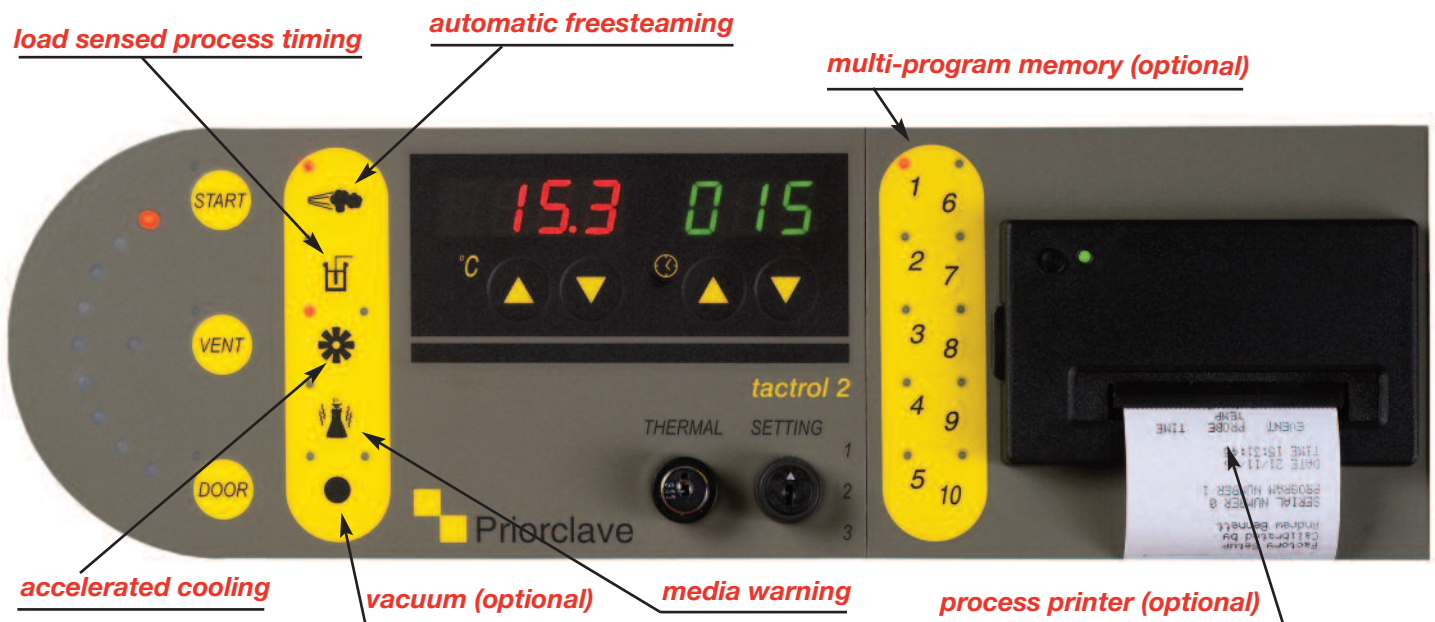
By fully automating the sterilising process and with features to assist with autoclave management, TACTROL®2 allows you to continue with other tasks secure in the knowledge that autoclaving is proceeding safely and efficiently.

TACTROL®2 offers simple and variable settings of process time and temperature and graphic indication of cycle status. Just set the temperature and time required, select any options needed and press start, operation is fully automatic once the cycle has started. A tough, clear control panel with digital displays continuously provides information on status. A full log of autoclave activity is held in the system and can be downloaded for diagnostic or monitoring purposes.

Priorclaves also come fitted with a Pressure Gauge, Thermostatic Air Purge Valve, Low Water Cut Out, Electrically Operated Vent Valve, Automatic Timed Freesteaming and two Thermocouple Entry Ports.

Packed with self-monitoring systems, TACTROL®2 has pre-set actions for events such as power failure or low water levels. A number of features are built in allowing cycle optimisation for the diverse functions demanded by the modern laboratory. Control options are available for every autoclaving need.

To prevent unauthorised access to the control panel a security setting lock is available.



## CONTROL FEATURES at A GLANCE

### Automatic Freesteaming

A venting period during heating, which greatly improves temperature distribution by encouraging air removal. Also available – Pulsed Freesteaming – for improved waste load performance.

### Load Sensed Process Timing

An internal probe placed in the anticipated coolest part of the load gives guaranteed sterilisation times. If a printer is fitted load temperature is included on the printed record.

### Accelerated Cooling

Powerful fans blow cold air over the autoclave vessel reducing cooling times to safe load temperatures. A delayed start can be set to protect loads sensitive to media volume loss.

### Media Warming

At the end of the cycle the autoclave is kept warm to keep sterilised media at a 'ready to pour' temperature. When combined with the Delayed Start setting this can put an end to early morning starts to melt media.

### Vacuum Options

#### Pre-Cycle Vacuum

A powerful vacuum pump draws a series of evacuations to ensure air removal from difficult loads. This is combined with Pulsed Freesteaming to achieve excellent steam penetration.

#### Post-Cycle Vacuum

Vacuum Cooling cycle to accelerate the cooling of waste loads to a safe door opening temperature.

Vacuum Drying cycle for fabric and wrapped loads using chamber wall heaters to reduce condensation onto the load.

### Multi-Program Memory

Simply press the program number required to restore all your settings. Five and ten program options are available.

### Process Printer

Temperature and time are printed at key stages of the cycle. Paper and ink are used to give a clear, long lasting record unaffected by the hot conditions usually associated with autoclaves. Your details can be printed at the start of each printout, together with the autoclave serial and cycle number. Pressure and load temperature printing options are also available.

The TACTROL® microprocessor control system is at the heart of every Priorclave designed and built by us in the UK to exacting international standards.

We have designed the TACTROL®2 control system to be extremely easy to use - set the temperature and time required, select any options needed then press start and the automatic sterilising process begins. Throughout the process the digital display continuously provides information on status and a complete log of autoclave activity is held in memory for downloading if required.

Our extensive range of standard steam sterilisers come with capacities up to 700 litres, including bench-top autoclaves, top and front loading autoclaves, round and rectangular chambered sterilisers and 'unique' designs including double-entry machines for through-wall applications to prevent cross-contamination plus we offer the scope for bespoke designs to accommodate special requirements.



TACTROL ZERO, an advanced process review system available across the entire range of autoclaves adds further to Priorclave's already excellent customer support programs. Operational data collected can be fed directly to the UK's Service and Technical Support team, enabling them to view and analyse all operational parameters on-line. This ensures autoclave users maximise the performance of their steam sterilisers whatever and wherever the application.

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*The information in this datasheet is compiled in good faith. Our policy is one of continual development, we therefore reserve the right to alter the specification without prior notice.*  
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