Applied Science and Technologies

Advanced Medical Pharmacy Refrigerator (+1°C to +15°C) with USB or HMI for Data Transfer to PC

The laboratory refrigerator by AST is an innovation that is able to store your sensitive goods safely. It is characterized by its high-quality processing and constant temperature distribution.





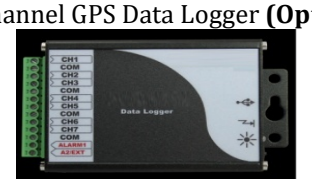
Temperature control, Humidity display with USB **(Optional)**



Dual Compressor System with auto switching **(Optional)**



Multi channel GPS Data Logger **(Optional)**



Standard display



Touch Screen HMI Display **(Optional)**
3 Level Password protected user management,
Data log functions (Audit trail),
RS485 for LIMS connectivity, PC port Printer port, USB port, Graphical data representation



Technical Specifications

Model	LR-300	LR-360	LR-400	LR-500	LR-600	LR-700	LR-900
	LR-300USB	LR-360USB	LR-400USB	LR-500USB	LR-600USB	LR-700USB	LR-900USB
	LR-300HMI	LR-360HMI	LR-400HMI	LR-500HMI	LR-600HMI	LR-700HMI	LR-900HMI
Volume Liter	300	360	400	500	600	700	900
Chamber size mm	550x650x840	550x560x1165	550x600x1200	600x700x1200	650x750x1240	700x800x1250	1050x600x1400
Outer size mm	700x730x1540	675x675x1900	700x800x1800	750x850x1900	800x900x1940	850x950x1900	1200x900x1900
Temp. Range	+1°C to 15°C (+2°C to 8°C Control, selectable)						
Temp. Accuracy	0.1°C						
Temp. uniformity	2.0°C						
Controller	Microprocessor ON/OFF Temperature controller (Fuzzy PID Controller **Optional**)						
Display	**LED** with soft touch button key standard supply **Optional 1:** LED with soft touch button and USB for Data storage and Export **Optional 2:** Touch Screen HMI with USB, Ethernet, RS485, Wifi, Real Time Data Storage Memory, 3 Level Password Protected User Management, Log Functions (Audit Trail, Alarms), Graph View, PC Connection, RS485 Protocol, Fixed point or Programmable multipoint calibration facility, Offset correction, Non editable PDF or csv data export, Dual compressor control etc.						
Temp. Sensor	NTC (Pt100 optional for touch Screen Only)						
Defrost	Automatic						
Alarm	High and low temperature alarm system						
Delay timer	Delay ON/OFF timer for compressor safety						
Refrigerant	R600a						
Cooling System	Compressor and Ventilation (Dual Compressor with auto switching **Optional**)						
Door	Single					Double	
Door type	Two-layer glass door with inner side temperature control						
Interior lighting	LED lamp						
Interior Material	Stainless Steel						
Wheel castor	Available with front locking						
Exterior Material	Powder Coated Steel						
Power	300W	350W	400W	400W	450W	600W	900W
Power Supply	220V AC, 50 Hz						

Customized size available on request