

LABORATORY REFRIGERATORS



LAB REFRIGERATORS

(+4°C TO +10°C)



(Image: TLR-200-1-GD)
ARTG, 299160



- Internal Forced Air Flow
- Digital Temperature Display with High and Low Temperature Alarms
- Max/Min Temperature Logging
- BMS (voltage free connection for remote monitoring of power loss, low and high temperature alarms)
- Internal LED Lighting
- Cable/Monitoring Port Hole
- Door Key Lock
- Frost Free Operation
- Adjustable/Removable Shelves
- Laboratory refrigerators are registered Medical Devices, Class I and are listed in the ARTG, 299160



(Image: TLR-145-1-GD)
ARTG, 299160

APPLICATIONS AND DESIGN FEATURES

Three key Laboratory Refrigerators are available up to 440 litres in capacity to meet the general purpose laboratory requirements for storing and testing of non critical products. A further five models are available up to 1500 litres capacity for increased storage requirements.

Temperature is precisely controlled electronically between +4°C and +10°C in ambients up to 32°C. The digital display incorporates high and low temperature alarms, which emit visual and audible signals to warn the operator of an alarm condition. Connection to a Building Management System (BMS) is available.

All models are supplied standard with self closing key lockable doors plus have double glazed glass view windows which enable the products to be viewed without any loss of conditions inside the refrigerator.

The models TLR-145 and TLR-200 have a powder coated metal exterior, and powder coated aluminium interior. The larger Australian made model TELR-440 has a grey Colorbond steel exterior and white interior complete with stainless steel floor. Insulation is high efficiency injected polyurethane foam.



Our Class I Medical Device refrigerators comply to Federal Legislation requiring all medical devices to be registered on the ARTG.

Thermoline laboratory refrigerators tick every box with unbeatable reliability and accurate temperature control. All refrigerators are tested in-house in our state of the art testing rooms to ensure they conform to the toughest regulations required as a medical device.

Thermoline Laboratory Refrigerators are registered Medical Devices, Class I and are listed in the ARTG, 299160.

Optional Accessories

Additional shelving

Phone dialler

LTPC : Low temperature protective cut out

A Low Temperature Protective Cut Out (LTPC) can be fitted as an optional extra to prevent products inside the refrigerator freezing. This independent device will turn off the refrigerator system should the control fail in the cooling mode.

SPECIFICATIONS

Model	Internal Dimensions (WxDxH mm)	Capacity (litres)	External Dimensions (WxDxH mm)	Shelves	Electrical	Weight (kg)
TLR-145-1-GD	520x430x620	145	600x600x800	4	0.9A	62
TLR-200-1-GD	450x430x1080	200	550x590x1590	4	2.5A	70
TLR-440-1-GD	500x520x1300	440	650x750x2000	4	4.2A	150

PREMIUM LAB REFRIGERATORS



(+4°C TO +10°C)



(Image: TLR-950-2-GD)
ARTG, 299160



(Image: TLR-520-1-GD)
ARTG, 299160



(Image: TLR-1150-3-GD)
ARTG, 299160

- Internal forced air flow
- Digital temperature display with high and low temperature alarms
- Maximum and minimum temperature logging
- Internal LED light on glass door cabinets
- BMS (voltage free connection for remote monitoring of power loss, low and high temp. alarms)
- Cable/monitoring port hole
- Self closing doors with key locks
- Frost free operation
- Adjustable/removable shelves
- Castors fitted for easy moving
- Laboratory refrigerators are registered Medical Devices, Class I and are listed in the ARTG, 299160

Five premium models of specialty laboratory refrigerators are available up to 1500 Litres to accommodate the requirements of medical centres, hospitals and universities where lab samples are required to be stored safely.

Temperature is precisely controlled electronically between +4°C and +10°C in ambient up to 32°C. The digital display incorporates hi and low temperature alarms, which emit visual and audible signals to warn the operator of an alarm condition. Connection to a building management system (BMS) has been made easy on the premium range, as they are supplied with voltage free contacts to allow connection for remote monitoring of power loss, low and high alarms.

A low temperature, protective cut out (LTPC) can be fitted as an optional extra to prevent products inside the refrigerator from freezing. This independent device will turn off the refrigeration system should the control fail in cooling mode.

All models have a grey Colorbond steel exterior and white interior complete with stainless steel floor. Insulation is high efficiency injected polyurethane foam. All models are standard with glass self-closing lockable doors. Glass doors enable the product to be viewed without loss of conditions inside the refrigerator.

Optional Accessories

TCR-115 : Chart recorders

Additional shelving

Phone dialler

LTPC : Low temperature protective cut out

A Low Temperature Protective Cut Out (LTPC) can be fitted as an optional extra to prevent products inside the refrigerator freezing. This independent device will turn off the refrigerator system should the control fail in the cooling mode.

(Image: Refrigerator shown with the BMS plug for connection to the Building Management System.



SPECIFICATIONS

Model	Internal Dimensions (WxDxH mm)	Capacity (litres)	External Dimensions (WxDxH mm)	Shelves	Electrical	Weight (kg)
TLR-360-1-GD/SD*	590x550x990	360	740x730x1560	3	3.6A	150
TLR-520-1-GD/SD*	580x560x1460	520	720x720x2010	4	3A	180
TLR-750-2-GD/SD*	850x560x1460	750	1000x720x2010	4 levels	4A	270
TLR-950-2-GD/SD*	1120x560x1460	950	1230x720x2010	4 levels	4A	320
TLR-1150-3-GD/SD*	1310x560x1460	1150	1470x720x2010	4 levels	4A	380
TLR-1500-3-GD/SD*	1680x560x1460	1500	1830x720x2010	4 levels	5A	300

* Quote SD for solid door or GD for glass door when ordering



The EL-USB-1 data logger measures and stores up to 16,382 temperature readings from a temperature of -35°C to +80°C.

The user can easily set up the logging rate and start-time, and download the stored data by plugging the module straight into a PC's USB port. Temperature data can then be graphed, printed and exported to other applications.

Colorbond®

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Head Office Phone (02) 9604 3911
Head Office Fax (02) 9725 1706

Email hello@thermoline.com.au
Web www.thermoline.com.au



Thermoline
 S C I E N T I F I C



Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry, with our equipment being used in small and large Hospitals, Universities and Research Laboratories across Australia and the Asia Pacific region.

We're proud to say that we are 100% Australian owned and operated.