

CL-1800

Cabinet



Information

Product Name	CL-1800 Cabinet
Part Code	Depend on the configuration ^[1]

Physical Features

External Dimensions(WxHxD)	1316 x 1958 ^[1] x 1101 mm 1316 x 2118 x 1101 mm (With Cooling Unit)
Internal Dimensions(WxHxD)	1251 x 1573 x 865 mm
Internal Net Volume	1700 lt
Weight	300 kg ^[1]
Max.Load Capacity of a Shelf	40 or 90 kg
Ground Clearance	30 mm
Door Structure	Thermal Insulated Glass, Magnetic Gasket (For 2°C Cabinets) Silicone Gasket with Quarter-turn lock (For 125°C Cabinets)
Standart Door	2 Doors, Optional: 4 Doors
Shelf Capacity	22
Caster and Legs	5 Casters (2 Lockable) and Adjustable Stabilization Legs
Material	Powder Coating Carbon Steel
Cabinet Structure	Thermal Insulation and Interior Stainless Steel (SS) Panels on All Sides

Shelves Features

Material	Stainless Steel 430
Dimensions(WxHxD)	Fixed (WxHxD): 580 x 20 x 865 mm Sliding (WxHxD): 490 x 50 x 850 mm

Electrical Features^[1]

Voltage	220 – 240 V AC 50-60 Hz, 110-120 V AC 50-60 Hz						
Power Consumption	Base	Dryer Unit	Second Dryer Unit	Light	N2 Auto Flow Unit	Cooling Unit (2 °C)	Heater Kit (125 °C)
	30 W	800 W	800 W	14 W	50 W	550 W	3200 W

Operational Features^[1]

Humidity Set Range	0.5% to 98% (Depends on configuration)
Temperature Set Range ^(With Cooling Unit)	2 °C to Ambient
Temperature Set Range ^(With Heater Kit)	Ambient to 125°C
Drying Performance	50% Rh to ≤ 1% Rh under 7 minutes, 50% Rh to ≤ 5% Rh under 4minutes



Measurements

Relative Humidity & Temperature Sensor Accuracy to the Reference Meter After Calibration	Humidity : $\pm 0.3\% \text{ RH}$ (0...20% RH) $\pm 1.5\% \text{ RH}$ (20...99% RH)
	Temperature : $\pm 0.5^\circ\text{C}$ (at 25°C)
	Humidity Resolution : 0.01% RH
	Temperature Resolution : 0.01°C

System Features

Operating System	V2.x or V3.x
Display	V2.x : 107 × 57 mm V3.x : 154 × 85 mm (7")
Display Resolution	V2.x : 240*128 pixels V3.x : 800*480 pixels
Interface Type	Wi-Fi(Wireless) ^[1] , RJ45 LAN ^[1] , USB-A
Datalogger	Captures detailed, minute-by-minute, daily, weekly, monthly, and yearly records
Date & Time	Real Time Clock, Date (dd.mm.yy), Time (hh:mm:ss)
Traceability Solution	Remote Monitoring System (RMS)
Access Control	RFID Access (125 kHz or 13,56 MHz)
Lighting Solution	Interior Lighting System (2-Color Light)

Alarm Functions

Alarm Type	Standard Internal Buzzer, E-mail
Humidity Level Alarm	Humidity (+/-) Offset %Rh: 0 – 40, Time To Alarm Period (min): OFF – 240
Temperature Level and Cycle Alarm	Temperature (+/-) Offset °C: 0 – 40, Time To Alarm Period (min): OFF – 240
Door Ajar (Left Open) Alarm	Time To Alarm (sec): 0 – 600, Repeat Period (min): 0 – 20
System Errors / Malfunctions	Buzzer Alarm Duration (sec): 0 – 240, Ext. Alarm Duration (min) 0-60

Environmental

Relative Humidity	1% - 90% RH
Temperature	15 °C – 40 °C
Protection Class	IP 20

Accessories

- AISI 430 Stainless Steel Body Option
- Stainless Steel Shelves
- Stainless Steel Sliding Shelves
- Stainless Steel FIFO Shelves
- Stainless Steel Reel Holders
- Stainless Steel PCB Holders
- Stainless Steel U-Divider
- Stainless Steel I-Divider
- Custom Sliding Feeder Storage Solution
- Solder Paste (Jar) Storage Solution
- Solder Paste (Vertical Syringe) Storage Solution
- Dryer Unit
- Second Dryer Unit
- N2 Auto-Flow Unit
- Password-Enabled Automatic Door Locks
- Thermal Insulation
- Heater Kit (125 °C)
- Gas-Cooled Cooling Unit (2 °C)
- Water-Cooled Cooling Unit (Chiller)
- Extraction Unit for Venting Internal Air to the Outside
- Outdoor Humidity and Temperature Sensor
- External Alarm Bar with Magnetic Base, 2-Color Light and Buzzer
- Humidifier Unit
- Internal HEPA Filter Class 1000 (ISO 6)
- Indoor UV Light
- Integrated Oxygen Sensor
- Power Consumption Monitoring Module
- Modbus/ERP Connectivity Software Module
- MSD (Moisture Sensitive Device) Traceability Software

[1] This statement indicates a condition that may vary depending on specific options, or configurations
Datasheet contains final specifications. EMT Electronics A.Ş. reserves the right to make changes at any time without notice to improve the design.
X-Treme Series is a registered trademark of [EMT Elektronik Müh.Tic.San.A.Ş.], operating as [EMT Electronics].
The datasheet is for reference information only.

