



Ultra Low Deep Freezer

INV-ULDF-80



Features

- High-performance reliable compressor with long service time
- CFC free refrigerant R290 & R170
- Noise level up to 53db
- CFC free high density PUF foam for insulation
- Better warm up time keeps the sample cold as long as possible once power failure
- Automated vent port for quick re-access to samples , compressor has fan air filters on front panel for ease of access
- The system has co2/No2 backup system (optional)
- System comes with RS-485 interface option and Visionize option for connectivity
- Open door recovery of 10 min or lesser for 15 sec
- Battery backup and pass word protection security, so tampering can be stop
- Cabinet is uniform at -80°C of +7.2°C/-0.0°C or better
- Door has security keyed locks with option to lock ergonomically desgined door handle
- Freezer has heavy duty caster for easy movement
- Fully programmable microprocessor based LCD display
- System has remote alarm port (BMS)





Specification

Model	INV-ULDF-80
Shelf/drawer	Stainless steel shelf
Cooling	Direct cooling
Defrost	Manual
Refrigerant	HC(R290&R170)
Noise (db)	53 db
Temperature range	-40°C to -86°C
Compressor brand/qty	SECOP/2
Cooling system	Cascade
Sensor	PT100
Temperature controller	Microprocessor
Display	7" LDC display
Pull down time	3 hrs 50 min or lesser
Warm up time	40 hrs
Voltage/frequency	220V/50Hz
Power	690W
Power consumption	8.3kWh/day
Inside material	Stainless steel 304
Outside material	Powder coated steel
Insulation	PUF
Capacity	588L
NT/GT	290kgs
Exterior size WxDxH	1200x1192x1994.5mm
Interior size WxDxH	805x738x1310mm
Racks	25 racks
Boxes	400
Samples	40,000
High/low temp	Yes
Power failure	Yes
Abnormal voltage	Yes
Sensor error	Yes
Filter screen check	Yes
Thermostat failure	Yes
Low battery	Yes
Condenser clean	Yes
High ambient temp	Yes
Door ajar	Yes
Power failure backup	72hrs
Castor	Yes
Compartment door	5 inner doors
Access port qty/dia	1/25mm
USB port	yes
Chart recorder	Optional
Data logger	Optional
Remote alarm port	Yes

