

Product Name :
Environmental Test Chamber

Product Code :
NLAB-LABORATORYEM32002



Description :

Environmental Test Chamber

Technical Specification :

Environmental Test Chamber Salient Features

Accurate Control of Test Parameters

Reliable Performance

Corrosion Resistant interior and Exterior

CFC Free operation

Energy Efficient

Aesthetically Designed

Easy to use

Light Weight

Robust Construction

Easy Integration with Vibration Shaker Systems Environment Equipments Environmental Test Chamber are used to simulate the desired environment such as Cold, Heat, Humidity, altitude, thermal shock, solar radiation, salt spray, rain spray, dust & sand etc. as per the customer's requirement.

These chambers are available in different ranges of parameters and capacities as per specific testing requirements of the Customer. These chambers can be integrated with Vibration shaker systems as well to perform combined environmental Vibration tests.

A walk-in variant is also available for products that require very large capacity & size such as complete automobile, bikes, missiles, telecom industry, electronics test laboratory and etc.

The Chambers feature various safety interlocks that are necessary to provide a safe environment of operation.

We are incorporating the best engineering practices to develop a Chamber that is capable of performing all types of versatile testing as per international standards for a long life of reliable performance.

The design is very good and simple from maintenance point of view.

The Chamber Controller is very user friendly and as per the requirement of the customer it can be upgraded to a latest touch screen panel type as well.

The controller is capable of remote operation and monitoring as well.

It can easily be integrated with any computer to download / upload test profile or data using high speed communication RS 232/485, Ethernet and USB ports.

The features of data recording, monitoring and report generation are also available.

Technical Specification of Environmental Test Chamber

Working space: Based on Customer requirements

Interior & Exterior: Satin finish Stainless Steel grade 304

Temperature range: From - 75degC to 200degC

Humidity Range: From 30% RH to 97% RH with $\pm 3\%$ Variation

Temperature Stability: ± 1 degC (in time) at steady state conditions

Rate of change: (Average) 0.5degC/min to 15deg/min

Thermal Insulation: Through High density & Non-flammable rock-wool with PUF Pads

Viewing Window: Suitable size of six panes toughened glass filled with dry air and strip heaters to Prevent condensed water

Port Hole: Suitable Port Hole for outlet of operational wire/ cables etc.

Controller: Advanced Eurotherm controller enable for PC communication Through suitable software.

Aesthetic: External -Certified Satin finish with CNC operation in Mechanical process Internal Well designed and processed Single or cascading refrigeration systems properly painted and insulated Well designed and processed Electrical System marked properly identified and routed wiring.

Performance: All critical components of CE marked with suitable rating All branded refrigeration components of European Community All branded electrical components of international level

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