



ZETATEK®

Combined Vibration and Climatic Test System



ZETATEK® is a pioneer in the field of Environmental Test Equipments in India and has more than 20 years of experience in Technology Development of these products. ZETATEK® not only offers high quality and reliable products to meet the needs of Defence, Space, Aerospace, Nuclear, Automobile, Pharmaceutical, Electrical/Electronics and other private sectors, but is also a technology leader in developing custom built test equipments.

ZETATEK® offers a wide range of Environmental Test Equipments covering Hot Air Oven, Hot & Cold (Temperature) Test Chambers, Climatic (Temperature & Humidity) Test Chambers, Temperature & Altitude Chambers, Combined Altitude, Temperature & Humidity (CATH) Test Chambers, Thermal Shock Chambers, Thermo Mechanical Chambers with Hydraulic System, Rain Test Chambers, Walk-in Chambers, Centrifuges and Vibration Test Systems up to 20 Ton capacity to meet customer needs.

ZETATEK® also manufactures Test Chambers to suit explosion proof environment and Chambers interfaced with Vibration Test Systems, Motion Simulators, Material Testing Machines and Automobile Test Rigs and related products.

ZETATEK® Chambers confirm to IEC 60068-3-5/MIL-810/JSS55555 standards.

ISO 9001:2008
ISO 14001:2004
OHSAS 18001:2007
Cert No. CI/12052



Combined Vibration and Climatic Test System

SPECIFICATIONS

Test space volume	Ltrs	512, 1000, 1500
Temperature range (High)	°C	100, 125, 150, 180
Temperature range (Low)	°C	-20, -40, -60, -70
Rate of Cooling & Heating (Avg)	°C/min	1, 2, 3, 4, 5
Temperature Accuracy	°C	1
Humidity Range	% RH	20 to 95
Humidity Accuracy	% RH	+/- 2 to +/- 5
Electro Dynamic Vibration system	Force (Kgf)	1000 to 20,000
Cooling System		Air or Water cooled mechanical refrigeration
Heating System		Inconel rod heaters
Control System for chamber & vibration		Microprocessor based Programmable Controller Eurotherm & Vibration controller

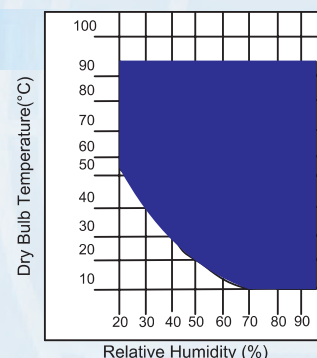
FEATURES

- Vibrator/Chamber Interface
- Independent and Combined Environment Operation
- User friendly operation
- Rugged Construction
- Ozone friendly Refrigerant gases (HFC)
- Port Hole
- Heat Load Compensation
- SS interior
- Adjustable high temp. cut off
- Non- Condensation during heating cycle
- Semi sealed Compressors
- Cold Rolled Mild Steel (CRMS) exterior
- Viewing window & Interior Lamp

OPTIONAL

- Port Hole of required size
- Rapid/Stand
- PC interface software with RS-232/ RS-485/RS-422 interface port
- Customized sizes of chambers & Vibration Test System
- Suitable to Flame Proof Application
- Higher Rate of Heating & Cooling upto 10°C/min
- Digital display for temp. limiting min/max
- Electrical terminals / Feed through MIL connectors
- Recorder
- SS Exterior
- Door Lock with Password Access.
- Automatic Water Refilling with alarm indication
- Table-top Extender for Vibrator

Humidity Graph



Specifications are subject to change without prior notice in view of the continuous quality improvement.

ZETATEK INDUSTRIES LIMITED

ISO 9001:2008 • ISO 14001:2004 • OHSAS 18001:2007 • Cert No. CI/12052

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