



**STRESS SCREENING CHAMBER (15 K/min), FOR ELECTRONICAL COMPONENTS – AIR COOLED.  
MODEL, CETM-70/1000T-15**



## GENERAL

High-gradient testing, or **ESS**, in the development of electronic components serves to detect defective components by "**stimulation**", not "simulation", by overcoming the expected environmental conditions that the samples will undergo.

The temperature test chamber **model CETM-70/1000T-15**, has been configured according to all the customer's needs. With a **10" touch screen** control panel, it allows precise control of the temperature parameters. Due to the customer's installation, the chamber had to be air-cooled, with the cooling unit positioned at a distance of **25 meters**. It also has an additional **15"** control panel with integrated software for powerful analysis in the chamber itself.



## TECHNICAL FEATURES:

<b>MODEL:</b>		<b>CETM-70/1000T-15</b>	
Type of chamber:		<b>STRESS SCREENING CHAMBER</b>	
<b>Dimensions</b>			
Volume:		1.000	liters
Internal Dimensions(mm):	Height	1.000	mm
	Width	1.000	mm
	Depth	1.000	mm
External Dimensions (mm):	Height	2.075	mm
	Width	1.358	mm
	Depth	2.200	mm
Cooling group Dimensions (mm):	Height	2.181	mm
	Width	3.340	mm
	Depth	1.500	mm
<b>Temperature test</b>			
Temperature Range:		from -70 to +180	°C
Temperature change rate cooling: *		15	K/min
Temperature change rate heating: *		15	K/min
<b>Construction</b>			
Pivoting door	Height	1.000	mm
	Width	1.000	mm
Observation window:	Height	600	mm
	Width	650	mm
Locking		Electromagnetic	
Floor:		Reinforced floor and placed at a distance of 800 mm above the floor of the room.	
Ports		2x 150	mm Ø
		1x 100	mm Ø
Shelf		Reinforced, max. Load 100 kg.	
Position of the cooling group		Placed at a distance of 25 meters	
Base:		Height adjustable casters and legs	
<b>Control</b>			
Control :		10" HMI	
Additional control:		Panel PC of 15"	
Data recorder unit:		4 channels + 4 Pt-100	
Sample protection thermostat:		Included	
Temperature control:		Double control temperature sensor: Pt100.	
Communication port:		Ethernet	
Software:		Remote control software	
Webserver:		Included	
Interfaces:		5x Event relays	
Hours Run Meter:		Included	
Accredited calibration:		Yes	
<b>Services</b>			
Condenser:		Air-cooled.	
Ambient temperature		0-40	°C
Ambient humidity		20-90	% RH
Power:		400V 3N~PE	

\* Temperature change rates taking in consider in the temperature range from +90 °C to -40 °C, and taking in consider a mass of 60 kg of aluminum.

DYCOMETAL EQUIPOS DE C.C., S.L.

C/ De la Ciència, 35-37

08840 - Viladecans (Barcelona) - SPAIN

T: (34) 936 526 610 F: (34) 936 407 607

