



## TEMPERATURE TEST CHAMBER WITHOUT LIQUID NITROGEN FOR **TENSILE MACHINES**. MODEL, CETM-30/182e



### GENERAL

There are different cooling options within the climatic chambers, one of them based on the use of liquid nitrogen as a refrigerant, but this system is not very cost-effective as it always has a consumable, which is why mechanical systems provide a more economical option in the long run over the cooling of a climatic chamber used in traction machines.

The **CETM-30/182e** model was designed to fit into the free space between columns of the tensile machine, complying with the customer's test specifications taking into account the mass to be introduced into the equipment. It is cooled mechanically, **without the need for liquid nitrogen**.



## TECHNICAL FEATURES:

<b>MODEL:</b>		<b>CETM-30/182e</b>	
Type of chamber:		<b>TENSILE TEST CHAMBER</b>	
<b>Dimensions</b>			
Volume:		182	liters
Internal Dimensions(mm):	Height	600	mm
	Width	550	mm
	Depth	550	mm
External Dimensions (mm):	Height	1.025	mm
	Width	700	mm
	Depth	1.670	mm
<b>Temperature test</b>			
Temperature Range:		from -30 to +100	°C
Temperature change rate cooling: *		10	K/h
Temperature change rate heating: *		10	K/h
<b>Construction</b>			
Pivoting door	Height	600	mm
	Width	550	mm
Observation window:	Height	350	mm
	Width	300	mm
Locking		Mechanical	
Ports		2x 100 (Wedge ports)	mm Ø
		1x 50	mm Ø
Ceiling		4x rings	
Position of the cooling group		Backside	
Base:		Structure with guide rail	
<b>Control</b>			
Control :		Eurotherm	
Communication port:		RS-485	
Software:		Included	
Interfaces:		Pt-100 output with LEMO connector	
Accredited calibration:		Yes	
<b>Services</b>			
Condenser:		Air-cooled	
Power:		400V 3N~PE	

\* Temperature change rates taking in consider a mass of 70 kg of the grips + the weight of the samples in a temperature range from -30 °C to +80 °C.

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