



# Kesternich Corrosion Chamber

*CKEST series*



# The innovation as an attitude

## *The company*

**Ineltec** is a company with more than 20 years of experience in the sector and 5.000 equipment installed all around the world. Our achievements are due to the ability of offering tailored solutions to perform any kind of test.

*“Technology, research and innovation are the basis for creating equipment of high reliability.”*





# Model

Kesternich corrosion  
Chamber of CKEST series



Kesternich corrosion chamber  
according to the international standards.

# Model

## *Equipment description*

**Kesternich corrosion chambers from CKEST series** simulate an atmosphere of saturated humidity and constant temperatures combined with sulfur dioxide Gas (SO<sub>2</sub>) to cause the effect of acid rain and perform sulfuric atmosphere corrosive tests.

Kesternich test is an indicator of the pollution index in industrial and urban atmosphere.

The maximum temperature ranges in standard model are from +5°C to +70°C.

We also design tailored equipment according to specifications, modifying or broaden the standard characteristics

Kesternich corrosion chambers are mostly used for studies of improved prevention of corrosion resistant materials for the automotive and construction materials.

## Standard volume

- 01 300 liters
- 02 1000 liters

01



# Sectors



Automotive



Construction



I+D,  
Technological  
centers,  
Universities,  
Laboratories



Mineral  
Ironwork,  
Galvanic,  
Metallurgic

# Standards

**DIN EN ISO 6988**

**EN ISO 3131**

**ASTM G87**

**DIN EN ISO 6270-2**

**BS 3900-F8:1993**

**DIN 50018**

# Features of the equipment

## construction



01/ interior/exterior

Both interior and exterior are made of polypropylene inert to corrosion.



02/ Furniture base

The machine has 4 legs adjustable in height.



03/ Observation windows

A window in the door is placed to see inside of the chamber.



04/ dispenser

Inside the chamber, there is the SO<sub>2</sub> gas dispenser, made of clear acrylic with metric graduation.



05/ programmer

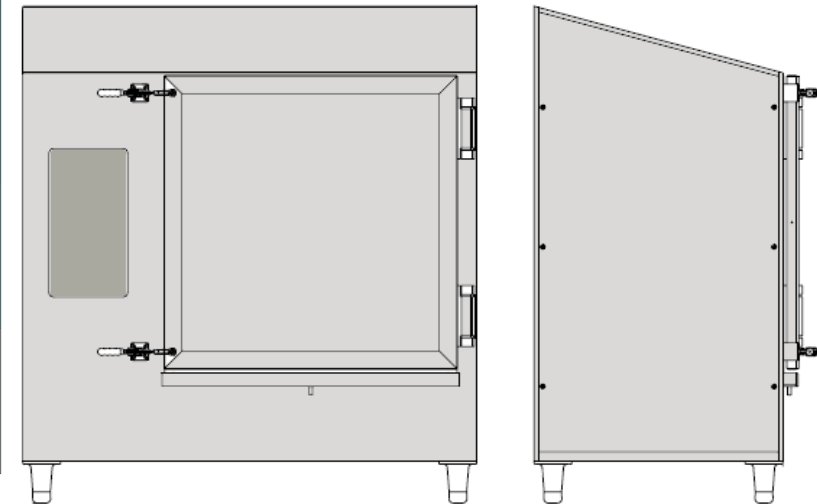
The equipment includes a touch screen to program the tests.

# Features of the equipment

## Functional properties

Model CKEST	Temperature	Humidity (R.H.)	Connection voltage and power	Maximum consumpt ed power	Dimensions HxWxD (mm) *approx.	Weight Approx
Vol. Liters	Room temperature +5°C to +70°C	100% Saturated Humidity	230 V II+N+GND	1 Kw	Interiors	Kg.
			50 Hz		Exteriors	
300	*	*	*	*	800x710x550	90
					1150x1040x700	

## Front / side Drawing



\*Other characteristics  
under request



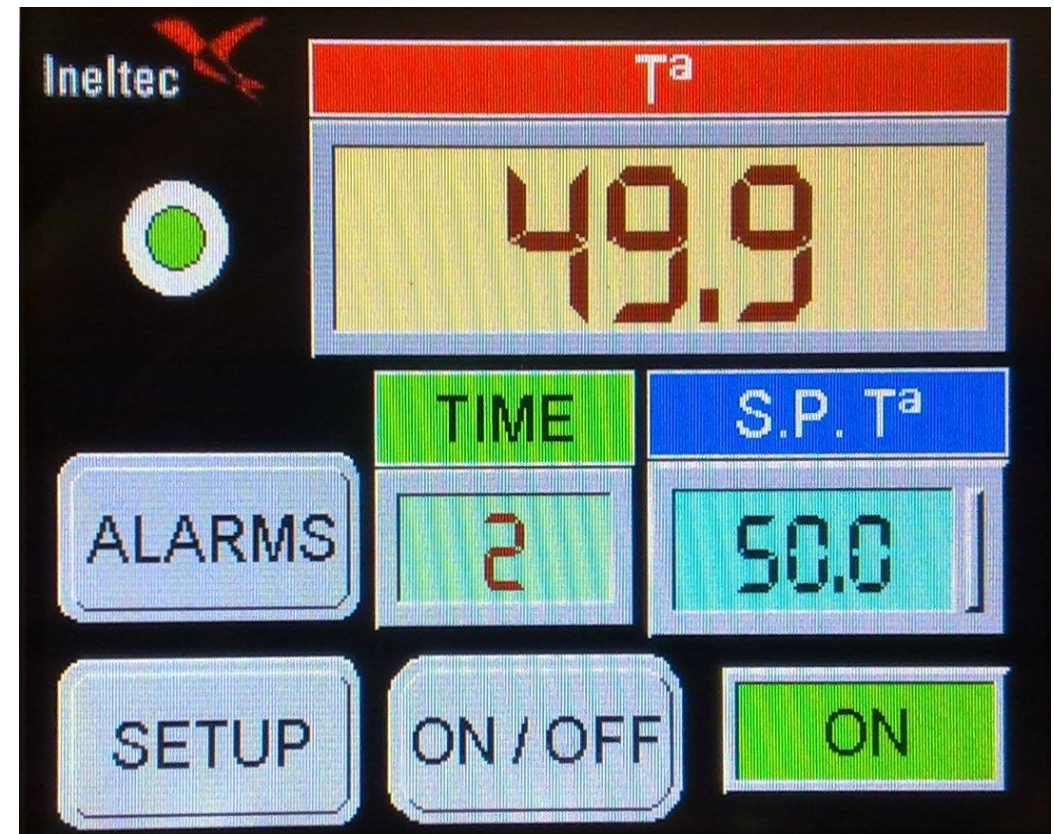
# Control system

*Programmer /  
Touch screen*

## Programmer Characteristics

- 1/ It allows programming the temperature and duration of a test
- 2/ Maximum and Minimum level
- 3/ Security temperature
- 4/ Chamber shutdown, automatic opening of the door and acoustic alarm to end the test.
- 5/ Temperature sensor PT-100
- 6/ More than 100 programs.

## Programmer Touch screen





# International Presence



# Range of products

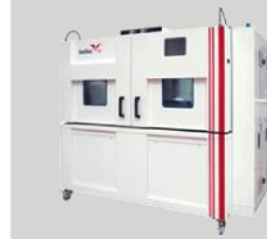
## ES Simulation equipment



Climatic chambers



Modular chambers



Thermal shock



Combined tests



Specials



Stability



Generator groups



Calorimetric



Corrosion - combined



Corrosion



Frost / Defrost



Tightness – rain



Tightness – air/wind



Freezer cabinet



Thermostatic bath



Furnace



Heating

# Range of products

## BE Testing bench



Fatigue endurance



Characterization



Pulsing pressure



Rupture



Bursting



Liquid Thermal Shock



Resistance to the fire - I



Resistance to the fire - II



Reaction to the fire - I



Reaction to the fire - II

## MC Measurement and control



Artificial vision - I



Artificial vision - II



Artificial vision - III



End of line control - I



End of line control - II



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