



CRYOMATIC



DESIGN AND PRODUCTION OF
INSTRUMENTS AND APPARATUS
FOR QUALITY CONTROL
ON MATERIALS



These instruments are made in
compliance with CE health and
safety requirements



Cryomatic - code 7250.000



Cryomatic chamber with specimen loaders



Izod vice with lever closure complete with adapters



Specimen Positioning and Displacement shown with manual lever closure (vice 6956.026). Also available with pneumatic, foot closure (vices: 7250.010 and 7250.011, not shown)



Details of Izod Specimen Positioning in Vice Using Suction Cups and Rotating Lever. Shown with Izod Vice 6956.026, also Valid for Pneumatic Foot Closure vices 7250.010 and 7250.011

The Cryomatic is a manual device designed to condition many specimens at different temperatures to be used in conjunction with CEAST Resil Impactor, and to carry them from the conditioning chamber to the Izod or Charpy vice. The manually-operated handling system assures accurate and repeatable specimen positioning and avoids any contact between the specimen itself and the operator's hands.

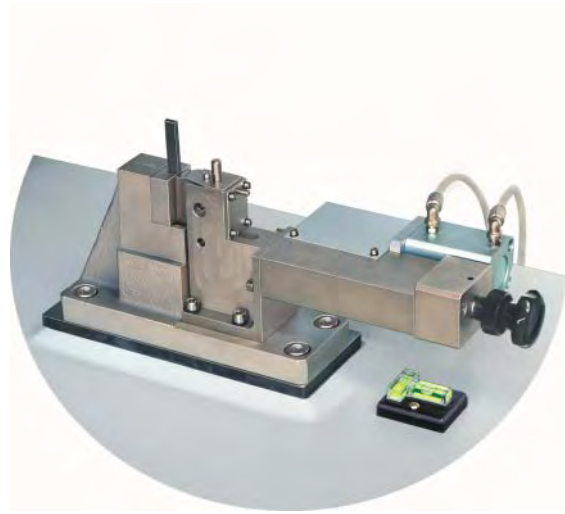
Main characteristics

- CEAST Cryomatic chamber, a special chamber equipped with cooling and heating systems, containing two specimen loaders (50 specimens - dim. 4 x 10 x 80 mm - as a maximum in each loader)
- Specimen manual positioning system to move the specimen from the loader to the impact area
- Specimen clamping system via suction device
- Cooling system by liquid Nitrogen
- Temperature range -70°C to +100°C
- Temperature regulator system with built in display
- Heating by electric resistor
- Excellent temperature uniformity due to an internal air fan
- Specimen loaders and handling accessories suitable for Charpy and Izod tests according to the correspondent international standards
- Separate electrical cabinet for temperature control.

Standards	Specimen size	Loaders (set of two)		Separator and reference block	Articulated arm for Izod tests	Hand with suction cups	Vice	Vice shoulders and adapters
		regular	with adapters					
Charpy Test								
ISO 179	4x10x80 mm notched unnotched	code 7250.020	-	code 7250.070	-	code 7250.110 for any sample dimensions	Charpy vice 2.9 m/s code 6545.010	shoulders code 6545.259
	code 7250.031	code 7250.081	Charpy vice 3.46 m/s code 6545.005	-				
	code 7250.032	code 7250.082						
ASTM D 6110	3.17x12.7x127 mm notched	code 7250.030	with adapters for specimens 3.17, 6.35, 12.7 mm thick code 7250.033	code 7250.080	-			
	6.35x12.7x127 mm notched	code 7250.031		code 7250.081				
	12.7x12.7x127 mm notched	code 7250.032		code 7250.082				
Izod Test								
ISO 180	4x10x80 mm notched unnotched	code 7250.020	-	code 7250.070	-	code 7250.111	Special Vices for Izod Impact: 7250.010 Pneumatic foot closure, 7250.011 Pneumatic, foot closure with clamping force read- out, 6956.026 Hand lever closure. All vices can be used with our without the Cryomatic	adapters for specimens 6.35 mm thick code 6545.050
	code 7250.041	code 7250.081	code 7250.122	code 7250.124				
	6.35x12.7x63.5 mm notched	code 7250.041	with adapters for specimen- s3.17, 6.35, 12.7 mm thick code 7250.043	code 7250.082	code 7250.002			
12.7x12.7x63.5 mm notched	code 7250.042		code 7250.082					



Resil Impactor 25 J Shown with Peumatic,
Foot Closure Vice for Izod Specimens -
7250.010



Details of Peumatic Foot Closure Vice for
Izod Specimens - 7250.010

Technical Data

Temperature range [°C]		-70 ÷ +100
Cooling system		Nitrogen
Overall dimensions (LxDxH) [mm]	Control cabinet	380 x 360 x 180
	Basic unit	450 x 300 x 500
	Including Resil impactor	1450 x 750 x 800
Weight [kg]	Control cabinet	20
	Basic unit	80
	Including Resil impactor	330
Supply		230 V - 50/60 Hz - Singlephase
Power [W]		1000
Paint		gray RAL 7035

"Due to the continuous development policy of CEAST's Research and Development Department, changes may be introduced without notice"



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