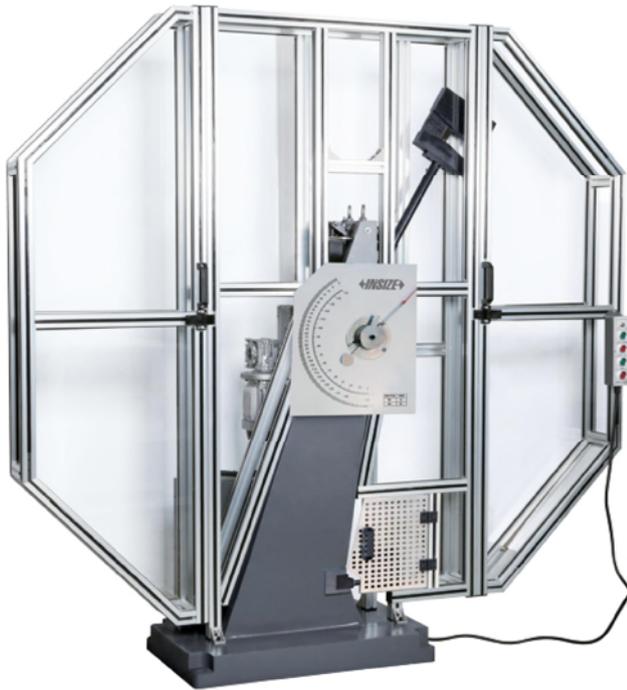


IMPACT TESTING MACHINES



ITM-S300J-U



computer (included)

workbench (not included)



low-temperature chamber (optional)

- According to GB/T 3808, GB/T 229, JIG 145, ASTM E23 (with American standard blade), ISO 148.1, ISO 148.2, ISO 148.3, ISO R83
- For testing the anti-impact performance of metal materials under dynamic load
- Capable of performing metal impact tests in large quantities on a continuous basis

SPECIFICATION

Part No.	ITM-S150J-U	ITM-S300J-U	ITM-S450J-U	ITM-S600J-U	ITM-S750J-U
Impact energy	150J	300J	450J	600J	750J
Dial range	0~150J	0~300J	0~450J	0~600J	0~750J
Dial graduation	1J	2J	3J	4J	5J
Pendulum moment	M=80.3848N·m	M=160.7695N·m	M=241.1543N·m	M=321.5390N·m	M=401.9238N·m
Pendulum preparing angle	150°				
Distance between pendulum shaft center and specimen center	750mm				
Impact speed	5.24m/s				
Span of specimen seat	40mm				
End face radius of specimen seat	R (1.0~1.5)mm				
Radius of impact blade	R (2.0~2.5)mm				
Inclination angle of support surface of specimen seat	11°±1°				
Angle of impact blade	30°±1°				
Thickness of impact blade	.63"				
Range of measuring angle	0~360°				
Angle resolution	≤0.06°				
Specimen size	10×10×55mm				
Power supply	AC480V, 3Ø, 60Hz				
Power	400W		1.5kW		
Base size	31.50×19.69"		37.80×25.60"		
Dimension of main body	80.71×27.17×79.33"		82.68×32.87×86.61"		
Net weight	992.08lb		1984.16lb		

SPECIFICATION OF LOW-TEMPERATURE CHAMBER (OPTIONAL)

Code	ITM-S-40-U	ITM-S-60-U	ITM-S-80-U	ITM-S-80S-U	ITM-S-100-U	ITM-S-196-U*	
Range of temperature	room temperature ~-40°C	room temperature ~-60°C	room temperature ~-80°C	room temperature ~-80°C	room temperature ~-100°C	-20°C~-196°C	
Accuracy of temperature control	±0.5°C					±2°C	
Evenness	≤1.0°C					≤2.0°C	
Resolution	0.1°C					0.1°C	
Method of refrigeration	Compressor refrigeration					Liquid nitrogen refrigeration	
Cooling medium	Ethanol or other unfrozen liquid					Liquid nitrogen	
Number of specimen	≥60 pcs						
Cooling speed	+25°C~0°C about 1.5°C/min, 0°C~-20°C about 1.2°C/min, -20°C~-40°C about 1.0°C/min	+25°C~0°C about 1.8°C/min, 0°C~-20°C about 1.5°C/min, -20°C~-40°C about 1.3°C/min, -40°C~-60°C about 1.0°C/min	+25°C~0°C about 1.5°C/min, 0°C~-20°C about 1.3°C/min, -20°C~-60°C about 1.0°C/min, -60°C~-80°C about 0.8°C/min	+25°C~0°C about 1.5°C/min, 0°C~-20°C about 1.3°C/min, -20°C~-60°C about 1.0°C/min, -60°C~-80°C about 0.8°C/min	+25°C~0°C about 1.5°C/min, 0°C~-20°C about 1.3°C/min, -20°C~-60°C about 1.0°C/min, -60°C~-80°C about 0.8°C/min	+25°C~0°C about 2.0°C/min, 0°C~-40°C about 1.5°C/min, -40°C~-80°C about 1.3°C/min, -80°C~-100°C about 0.8°C/min	1°C~-3°C
Heating speed	3°C/min						
Timekeeping device	1min~9999min, resolution: 1min						
Volume of refrigeration room (W x D x H)	10.83×6.30×4.72"						
Effective volume of refrigeration room (W x D x H)	5.91×5.51×4.33"						
External dimension (W x D x H)	35.8×20.1×36.2"			29.7×21.8×37.4"	43.5×27.8×43.7"	27.9×23.6×29.1"	
Material of the case	Iron shell spraying moulding			stainless steels	Iron shell spraying moulding	stainless steels	
Power supply	AC 110V, 60Hz, 1.8kW	AC 110V, 60Hz, 2.3kW	AC 110V, 60Hz, 2.5kW	AC 110V, 60Hz, 2.5kW	AC 110V, 60Hz, 3.0kW	AC 110V, 60Hz, 100W	

*For test >-20°C, ITM-S-80 is recommended

STANDARD DELIVERY

Main unit	1 pc	
Control cabinet	1 pc	
Simply supported beam fixture (including jaws, anvil)	1 set	
Pendulum	ITM-S150J-U	150J pendulum
	ITM-S300J-U	300J pendulum and 150J pendulum
	ITM-S450J-U	450J pendulum and 150J pendulum
	ITM-S600J-U	600J pendulum and 150J pendulum
	ITM-S750J-U	750J pendulum and 150J pendulum
Span aligner	1 pc	
Tongs	1 pc	
Safety cover	1 set	
Software	1 set	
Computer	1 pc	
Printer	1 pc	

OPTIONAL ACCESSORY

Workbench	7911-15
150J pendulum	ITM-S-PE150J
300J pendulum	ITM-S-PE300J
450J pendulum	ITM-S-PE450J
600J pendulum	ITM-S-PE600J
750J pendulum	ITM-S-PE750J
ASTM standard impact blade	ITM-S-ASTM-IB
Sample recovery device	ITM-S-RD
Digital display screen	ITM-S-DDS
Impact specimen notch projector (GB/T 229, ASTM E23)	ISP-Z2-U
Low-temperature chamber	ITM-S-40-U
	ITM-S-60-U
	ITM-S-80-U
	ITM-S-80S-U
	ITM-S-100-U
ITM-S-196-U	
Impact specimen notch broaching machine (double broaches)	ITM-U32
Impact standard sample	ITM-BR series