

## Mitech MDC Series Impact Test Low Temperature Meter

### Overview

Mitech MDC Series Impact test low temperature meter, adopt imported compressor refrigeration technology, heat balance principle and the way of mixing, can achieve the sample of automatic uniform cooling, constant temperature storage, its strong structure, simple structure, easy operation, high efficiency, low temperature impact test material is the best test Like cooling, insulation equipment, but also for other low temperature testing and testing work.

### Technical Parameters

Technical Parameters	MDC-60	MDC-80	MDC-80 (Liquid nitrogen)	MDC-100	MDC-100 (Liquid nitrogen)
Temperature range	+30℃~-60℃	+30℃~-80℃	+30℃~-80℃	+30℃~-100℃	+30℃~-100℃
Constant temperature accuracy	±0.5℃				±3℃
Cooling rate	+30℃~0℃ 0℃~-20℃ -20℃~-40℃ -40℃~-60℃	about 1.5℃/min about 1.3℃/min about 1.0℃/min about 0.7℃/min		+30℃~-40℃ about 1.8℃/min 40℃~-80℃ about 1.5℃/min -80℃~100℃ about 0.7℃/min	about 8℃/min
Effective working space	120*120*70mm	120*120*70mm	220*170*120mm	150*150*240mm	220*170*120mm
The number of samples can be loaded	>60 (Impact specimen size: 10*10*55mm)			>100 (Impact specimen size: 10*10*55mm)	
Digital timer	1~999min, resolution 1min				
Cooling medium	Ethanol or other antifreeze				
Dimensions mm	900*505*850	900*505*850	700*600*800	1500*1200*1200	700*600*800
Size of liquid nitrogen tank mm			650*650*1000		650*650*1000
Power supply	220V~240V, 50HZ				

## Working Principle

Impact test low temperature meter, adopt imported compressor refrigeration technology, heat balance principle and the way of mixing, can achieve the sample of automatic uniform cooling, constant temperature storage

## Features

- Widely used in materials, low temperature impact test sample cooling, constant temperature storage, can also be used for other low temperature testing and testing work;
- The use of imported compressor refrigeration technology, heat balance principle and the cycle of mixing, high efficiency;
- Strong structure, simple structure, stable performance, easy operation, can also cool a number of test pieces;
- Consistent with GB, ISO, ASTM and other relevant domestic and foreign standards.

## Scope of application

Widely used in low temperature impact test samples of the sample cooling, constant temperature storage.

## Applications

- Quality control link of Metal processing manufacturing
- Quality control link of nonmetal manufacturing industry
- Teaching experiment of scientific research in Institutions of higher learning
- Material analysis test of scientific research institutions
- Quality inspection link of Quality inspection department

## Working Conditions

- Relative humidity: 20% ~ 80% ;
- No corrosive medium, no high magnetic field interference;
- Horizontal installation on a solid basis;
- Power supply voltage fluctuation does not exceed 10% of rated voltage.

## Configurations

Configuration instructions	NO.	Name	QTY.	Remarks
Standard Configuration	1	Low temperature meter host	1	
	2	Sample placing rack	1	
	3	Sample basket	3	
	4	Attached files	1	

## Maintenance and care

- Read the manual carefully before using the instrument. Learn the operation steps and attentions to avoid damage the instrument or personal safety accidents caused by improper operation;

- Test machine is a large precision instruments, should pay attention to water, moisture. Exposed workstations, upper and lower beam parts and attached parts should be coated with anti-rust oil to prevent rust;
- The instrument power supply should be reliably grounded and equipped with regulator device;
- To ensure the accuracy of cryogenic instruments, the instrument needs to be checked at least once a year;
- Don' t disassemble the instrument without authorization, maintenance related matters please contact MITECH after-sale service department with 4000600280.

