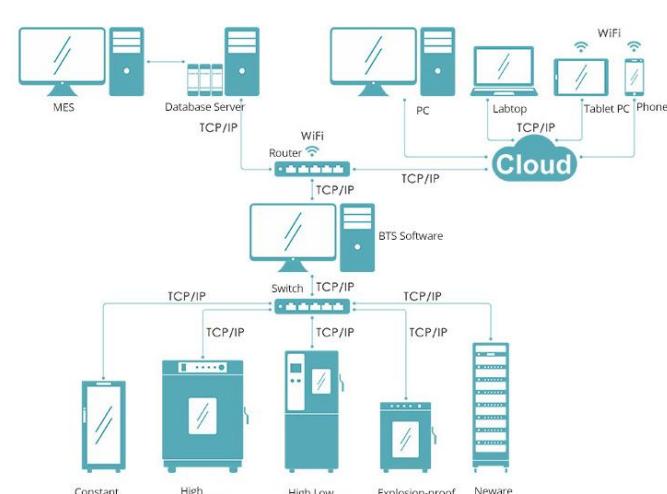


## Technical Specification

### MIHW-200-160CH-B All-in-One Constant Temperature Testing Chamber

<b>MIHW-200-160CH Constant Temperature Testing Chamber</b>		
Model: MIHW-200-160CH-B	Material Code: MIHW-200-160CH-B	
Description	Product Specification	
AC Input	AC 220V±10% 50Hz Single Phase+protective earth ground	
Power	3kW	
Input Current	16A	
<b>Volume, Size</b>		
Standard Volume	200L	
Inner Size	W500mm×D500mm×H800mm	
External Size	W600mm×D920mm×H1800mm	
Net weight	About 200kg	
<b>Performance</b>		
Operating Environment	Operating Temperature is +25°C, Relative humidity≤85%, No samples situation	
Temperature Range	0~60°C	
Temperature Fluctuation	≤1°C (no loading、temperature stability)	
Temperature Deviation	±2.0°C (no loading、temperature stability)	
Rising time	25°C→60°C ≤30 min (No loading)	
Cooling time	25°C→0°C ≤50 min (No loading)	
<b>Structure features</b>		
Thermal insulation maintenance structure	Shell materials: High quality cold rolled steel plate, Surface spray and baking paint treatment Inner materials: Stainless steel plate SUS304 Thermal insulation materials: Foaming PU (thickness 50mm)	
The channel for air conditioning	Axial flow fan, Heater, Evaporator	
Standard Configuration	Chamber door: uni-fog armored glass, stainless steel frame Channel hole: φ50mm, 4pcs (Behind the cabinet) Caster: with foot break, 4pcs Sample tray: insulation sample try, 4pcs; bearing load: 10kg/layer Lighting: LED	
Control panel	Control panel touch control button	
Heater	Stainless heating pipe Control type: SSR	
<b>Cooling system</b>		
Cooling method	Air cooling	

## Technical Specification

Cooling compressor	Totally enclosed piston compressor	
Throttling gear	Capillary tube	
Freezing medium	R134a	
Welding technology	Protection welding with nitrogen	
<b>Electric control system</b>		
Controller	LED digital display + touch screen	
Operating mode	Touch screen	
Control mode	Balance temperature by cycling forced cooling The controller will be followed the given temperature, then automatic calculate and export the result, so that can control the actual value, to reach the dynamic condition.	
Communication mode	Ethernet port	
Temperature controller module	Independent R&D by Neware	
<b>Connecting with Neware battery system</b>		
Hardware	With RS485 port	
Connection Diagram	 <pre> graph TD     MES[mes] --- DatabaseServer[Database Server]     Router[Router] --- DatabaseServer     Router --- Cloud((Cloud))     Router --- PC[PC]     Router --- Laptop[Laptop]     Router --- Tablet[Tablet PC]     Router --- Phone[Phone]     Cloud --- PC     Cloud --- Laptop     Cloud --- Tablet     Cloud --- Phone      Switch[Switch] --- ConstantTemp[Constant Temperature Chamber]     Switch --- HighTemp[High Temperature Chamber]     Switch --- HLLT[High Low Temperature Chamber]     Switch --- ExplosionProof[Explosion-proof Chamber]     Switch --- NewareTester[Neware Battery Tester]      ConstantTemp --- Switch     HighTemp --- Switch     HLLT --- Switch     ExplosionProof --- Switch     NewareTester --- Switch   </pre>	

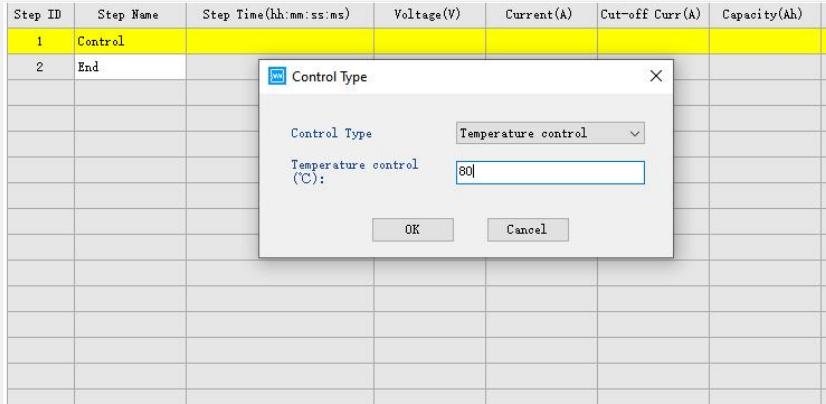
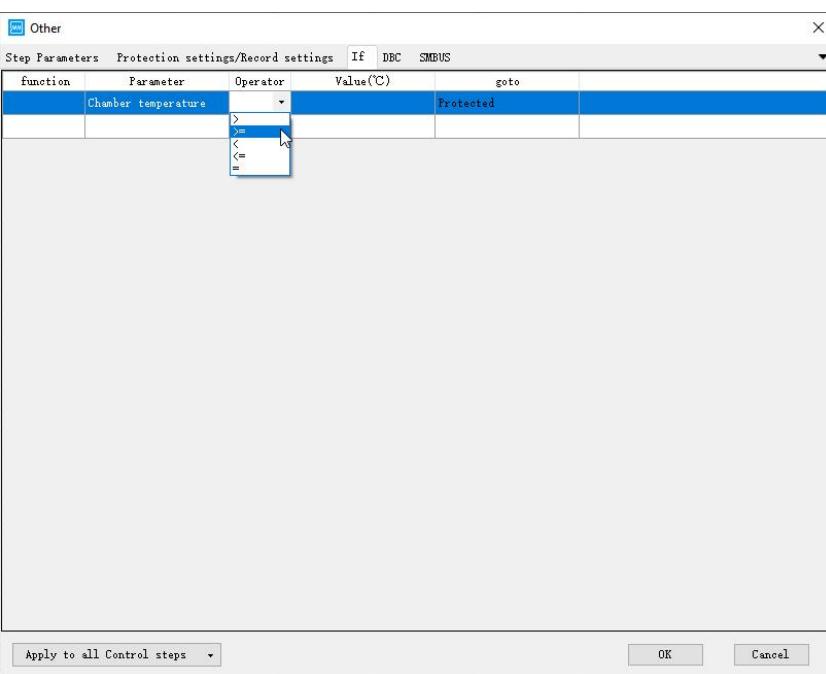
## Technical Specification

The screenshot shows the BTS Client 8.0.0.417(2020.06.16)(R3) software interface. The main window displays a grid of 8 channels (1-1 to 1-8). Each channel has a status bar indicating 'Finished' and '2.5000 V'. A context menu is open over channel 1-1, showing options like 'Set Parallel', 'Chamber is set', and 'Single Start(S)'. A smaller dialog box titled 'Chamber is set' is overlaid on the main window, prompting for 'Chamber number' and 'Layer number' with '确定' (Confirm) and '取消' (Cancel) buttons.

**Software**

The screenshot shows the same software interface. A red box highlights the first channel (1-1), which is labeled 'Temperature box 1-1'. A context menu is open over this channel, with the 'Single Start(S)' option highlighted. A small dialog box at the bottom of the screen displays the message 'Temperature box 1-1'.

## Technical Specification

Step ID	Step Name	Step Time(hh:mm:ss:ms)	Voltage(V)	Current(A)	Cut-off Curr(A)	Capacity(Ah)
1	Control					
2	End					
						
						

Chamber Picture

Picture for reference, please confirm the actual product



Different Range of Neware cycler will be integrated in chamber.

5V10mA / 5V20mA / 5V50mA optional.

(Maximum 160 channels)

5V10mA	Range1: 5μA~1mA; Range2: 1mA~5mA; Range3: 5mA~10mA
5V20mA	Range1: 5μA~1mA; Range2: 1mA~10mA; Range3: 10mA~20mA
5V50mA	Range1: 5μA~1mA; Range2: 1mA~25mA; Range3: 25mA~50mA