

DY-GTL-X Intelligent Dry Well Furnace/Dry Block Temperature Calibrator



Product introduction

DY-GTL-X intelligent dry block temperature calibrator adopts a highly stable temperature controller. The test temperature range is: $-35\text{ }^{\circ}\text{C} \sim 1200\text{ }^{\circ}\text{C}$. The heat block is made of alloy material with good thermal conductivity. Technically, it is synchronized with advanced domestic and foreign technologies, and is at the leading level in terms of insertion depth, horizontal temperature field, vertical temperature field and other technologies. Used within the required temperature range, it is widely used in machinery, shipbuilding, chemical industry, food, electric power, pharmaceutical and other industries.

Technical Parameters

Model	DY-GTL150XA	DY-GTL150X	DY-GTL450X	DY-GTL650X
Temperature Range	$-35\text{ }^{\circ}\text{C} \sim 150\text{ }^{\circ}\text{C}$	$-20\text{ }^{\circ}\text{C} \sim 150\text{ }^{\circ}\text{C}$	$50\text{ }^{\circ}\text{C} \sim 450\text{ }^{\circ}\text{C}$	$50\text{ }^{\circ}\text{C} \sim 650\text{ }^{\circ}\text{C}$
Resolution	0.1 $^{\circ}\text{C}$ /0.01 $^{\circ}\text{C}$		0.1 $^{\circ}\text{C}$ /0.01 $^{\circ}\text{C}$	
Accuracy	$\pm 0.2\text{ }^{\circ}\text{C}$	$\pm 0.2\text{ }^{\circ}\text{C}$	$\pm 0.4\text{ }^{\circ}\text{C}$	$\pm 0.5\text{ }^{\circ}\text{C}$
Stability	$\pm 0.1\text{ }^{\circ}\text{C}$	$\pm 0.1\text{ }^{\circ}\text{C}$	$\pm 0.1\text{ }^{\circ}\text{C}$	$\pm 0.1\text{ }^{\circ}\text{C}$
Radial Uniformity	$\pm 0.2\text{ }^{\circ}\text{C}$			
Control Method	Touch Screen			
Checking Hole Depth	150mm	160mm		
Default Display	English Display Full Color LCD $^{\circ}\text{C}$ or $^{\circ}\text{F}$			
Block Diameter	30mm		34mm	
Calibration Hole Diameter	Standard Configuration: 4mm、6mm、6mm、8mm、10mm (Customizable)		Standard Configuration: 4mm、6mm、8mm、10mm、12mm (Customizable)	
Size (L x W x H)	300mmX 190mm X360mm		300mmX 190mm X360mm	
Weight	8.0KG			
Power Supply	220V AC 50/60HZ			
Power	500W		700W	900W
Language	Any required language can be generated according to customer requirements			
Working Conditions	$22 \pm 3\text{ }^{\circ}\text{C}$ 15%RH-65%RH		$22 \pm 3\text{ }^{\circ}\text{C}$ 15%RH-65%RH	
Standard Accessories	Power cord x 1,Manual x 1,Certificate x 1			

Technical Parameters

Model	DY-GTL800X	DY-GTL1000X	DY-GTL1200X
Temperature Range	300℃ ~ 800℃	300℃ ~ 1000℃	300℃ ~ 1200℃
Resolution	0.1℃	1℃ /0.1℃ (Customizable)	1℃ /0.1℃ (Customizable)
Accuracy	± 2.0℃	± 2.0℃	± 2.0℃
Stability	± 0.5℃	± 0.5℃	± 0.5℃
Radial Uniformity	± 1℃		
Control Method	Touch Screen		
Checking Hole Depth	155mm(Customizable)		
Default Display	Chinese/English display Full color LCD ℃ or °F		
Block Diameter	30mm		
Calibration Hole Diameter	Standard Configuration: 6.5mm、6.5mm、8mm、10mm(Customizable)		
Size (L × W × H)	300mmX 190mm X360mm		
Weight	8.0KG		
Power Supply	220V AC 50/60HZ		
Power	1000W	1550W	1800W
Language	Any required language can be generated according to customer requirements		
Working Conditions	22 ± 3℃ 15%RH-65%RH		
Standard Accessories	Power cord × 1,Manual × 1,Certificate X 1		

Testing methods and reference regulations

JJF 1257-2010 Calibration method for dry body temperature calibrator

1. More portable and lighter. Higher accuracy, resolution 0.1/0.01℃ .
2. Human-machine interface, Chinese/English display, touch operation, beautiful and elegant.
3. One-click temperature setting, simple operation, fully automatic adjustment of heating power. Rapid heating and temperature control.
4. The accuracy is adjustable. According to the accuracy of different standard sensors of customers, it can be adjusted with one click, which is convenient and fast.
5. According to customer requirements, the language interface can be obtained anywhere in the world to facilitate export.

Testing methods and reference procedures:

JJF 1257-2010 Calibration method for dry block temperature calibrator

The heat block can be customized:

Taian Demei Electromechanical Equipment Co., Ltd. has specially customized solution for a insertion heat block of dry block temperature calibrator. If you need to customize it, please contact us.

Insertion Block	Product Description	Pictures
DY-GTA01	Low temperature standard type (4mm, 6mm, 6mm, 8mm, 10mm)	
DY-GTA02	Medium temperature standard type (4mm, 6mm, 8mm, 10mm, 12mm)	
DY-GTA03	High temperature standard type (6.5mm, 6.5mm, 8mm, 10mm)	
DY-GTA04	Customized porous type (6mm, 6mm, 6mm, 6mm, 6mm)	
DY-GTA05	Customized porous type (4mm, 5mm, 6mm, 7mm, 8mm)	
DY-GTA06	Customized porous type (8mm, 8mm, 8mm, 8mm)	
DY-GTA07	Customized porous type (3mm, 5mm, 7mm, 9mm, 10mm)	
DY-GTA08	Customized porous type (4.5mm, 6.5mm, 8mm, 10mm, 12mm)	

