JISC
JAPAN INSTRUMENTATION SYSTEM Co.,Ltd.
日本計測システム株式会社

日本試験機工業会々員
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MAX-T Series

Automatic Torque Tester

Expanding the boundaries of Torque Measurement

The tester loads programs from USB Flash Memory.
Programs can be change to meet test objectives. Using the Internet, user can download the latest version of a particular program or programs for various tests.

Change Torque Cell

Tester can connect up to 5 channels for specific purposes, various torque tests can be conducted.

Data Pick Up

Tester can pick up data ranging from graph to data for specific purposes. (Max. torque, torque under specified angle etc. depending on test program.)

Installed USB Drive

Can store test conditions and test data. While test can be performed on site data processing can be done at the office.

Graph Display

Graph is shown at the same time when test is being conducted. While confirming how the test is progressing, user can print out the graph or statistical data through the built-in printer

Interface

In tolerance setting, GO/NO judgment can be output to a sequencer via I/O port. Measurement via PC control is also possible.

Specifications

Type	Bench Type ※1		
Grade	Basic	High	
Angle Resolution	0.1 Deg	0.01 Deg	
Angle Accuracy	Within ±0.5 Deg	Within ±0.3 Deg	
Max Test Angle	±36000deg	±7200deg	
Table Rotation Speed	1~7200 Deg/min		
Rotary Table Encoder	High Accuracy Encoder (Direct Joint Type)		
Rotary Table Control	AC Servo Motor		
Rotation Button Control	CW/CCW	Rotation Speed	Inching
	High Speed Medium Speed Low Speed	1800 Deg/min 180 Deg/min 18 Deg/min	10.0 Deg 1.0 Deg 0.1Ddeg

Model & Capacity	MAX-T-20NM	MAX-T-100NM	MAX-T-200NM
	20N.M(200kgf.cm)	100N.M (1000kgf.cm)	200.N.M (2000kgf.cm)
Range of Torque Cell	0.01N.M~20NM	0.01N.M~100N.M	0.01N.M~200N.M
	Torque Cell Applied Voltage : 10V , Output : 0.5~3.0mV/V		
Torque Cell Resolution	Min resolution : 1/20000 Eg : Torque Cell Capacity : 20N.M, min resolution is 0.0001N.M		
Torque Cell Channel	Maximum 5 Channels		
Range Switch Over	Auto 4 Sub Range Switch Over (Manual Range Switch over is possible)		
Torque Accuracy	Within ±1% of Applied Torque		
Unit	N.M, N.cm, N.mm (kgf·m、kgf·cm、kg·mm、lbf·inch)		
Protection	Overload, STOP Button & Emergency Button, Stop by Test Program Settings		

Display	LCD Display Size :	CCFL Backlight LCD, W : 147 x H : 110mm
Built in printer	Thermal Printer, Print Density : 8 dots/mm, Effective Printing Width : 108mm, Speed : 480 Dots Lines/sec	
Interface	Output	Analogue :TORQUE, ANGLE / COM1, COM2 : RS232C (USB Possible)
	Input	Bar Code Reader, Mitutoyo Digimatic Caliper or Micrometer
	I/O Port	Insulated Photo coupler input/output. Input: 8 points, Output: 8 points Features of Interface depends on test program
Recording Media	USB-MEMORY DRIVE, 1 USB Thumb Drive provided (Can store up to 10000 graph data)	
Test Program	USB Flash Memory & Battery Backup function	
Power Supply	AC 100~120V or AC 200~220V	

Max Power Rating	MAX-T-20NM	MAX-T-100NM	MAX-T-200NM
	Approx : 100VA	Approx : 300VA	Approx : 500VA
Dimension (Exclude Handle Protrusion)	MAX-T-20NM	MAX-T-100NM	MAX-T-200NM
	W570×D480×H800	W570×D480×H880	W600×D480×H1028
Mass	MAX-T-20NM	MAX-T-100NM	MAX-T-200NM
	Approx : 90kg	Approx : 105kg	Approx : 150kg

※1 : Capacity : 500N·M is Floor Model.

● Manufacturer

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