

# JISC

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日本計測システム株式会社

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# MAX-T Series

## Automatic Torque Tester



**MAX-T type**

<Table rotating type>

Specimen on rotary table turn  
for detecting torque

**MAX-TU type**

<Torque cell rotating type>

Upper rotating torque cell turns for  
checking torque of static specimen  
(X-Y table for specimen is optional)

## Expanding the boundaries of Torque Measurement

The tester loads program from USB Flash Memory.

Programs can be change to meet test objectives. Using the internet,  
user can download the latest version of 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.

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

Model & Capacity	MAX-T-20NM	MAX-T-100NM	MAX-T-200NM	MAX-TU-20NM
	20N·m (200kgf·cm)	100N·m (1000kgf·cm)	200N·m (2000kgf·cm)	20N·m (200kgf·cm)
Range of Torque Cell	1N·m ~ 20N·m	1N·m ~ 100N·m	1N·m ~ 200N·m	1N·m ~ 20N·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 $\pm 1\%$ of Applied Torque			
Unit	N·m, N·cm, N·mm (kgf·m, kgf·cm, kg·mm, lbf·inch) ※Some units may not be used according to connected cell.			
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 200~240V			
	MAX-T-20NM	MAX-T-100NM	MAX-T-200NM	MAX-TU-20NM
Max Power Rating	Approx : 100VA	Approx : 300VA	Approx : 500VA	Approx : 100VA
Dimension (Exclude Handle Protrusion)	W570 × D480 × H800	W570 × D480 × H880	W600 × D480 × H1028	W570 × D480 × H800
Mass	Approx : 90kg	Approx : 105kg	Approx : 150kg	Approx : 90kg

Large size type (not desk-top type) for capacity 500N·m is also available.  
※Specifications are subject to change for improvement without notice.

●代理店

●製造販売元

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