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JAPAN INSTRUMENTATION SYSTEM Co.,Ltd.

日本計測システム株式会社

Torque Checker IT Series

トルクチェッカー ITシリーズ



Torque tightening tools require torque management.

Effortless torque management with battery-powered
Torque Checker IT-5 / IT-20

This battery-powered torque checker is handy. You can use it in factory for daily pre-operation checks of electric screwdrivers and record result easily. Please refer to the back for more details.

RECHARGEABLE BATTERY INSIDE MAKES THE TORQUE CHECKER HANDY AND USEFUL. EFFORTLESS DAILY CHECKS AND RESULT CONTROL OF ELECTRIC SCREWDRIVERS IN FACTORIES.

The Torque Checker IT Series is a portable torque measuring instrument designed to measure the torque of electric screwdrivers that require torque setting and control. Its built-in rechargeable battery allows it to be easily carried into the factory for daily pre-operation inspections.

■ Peak Hold

The analog peak-hold circuit reliably captures and holds the peak torque instantaneously.

■ Data Memory

Measurement results can be recorded using the data memory function.

■ Data Transfer to PC

Recorded data can be transferred to Excel with the optional software HOP-AP2 and interface cable.

*Excel is a trademark and brand of Microsoft Corporation.

■ Judgment Output

The judgement function determines whether the measured result falls within the specified tolerance range. Judgement results —LOW, OK or HIGH— are informed by lamps and a buzzer.

■ Overload Prevention

Equipped with an overload prevention stopper, the torque sensor will not be damaged even if it is overloaded up to 200% of its rated measurement capacity.

■ Measurement Adapter

This adapter is provided as a standard accessory for measuring the tightening torque of electric tools. M3, M6 and M10 screw holes are engraved. Please refer to the table below for details.



	M3 Tap	M6 Tap	M10 Tap
Applicable Models	IT-5	IT-5 / IT-20	IT-20
Upper Torque Limit*	Up to 1 N·m	Up to 5 N·m	Up to 20 N·m
Target Screw	M3-P0.5	M6-P1	M10-P1.5

* The upper limit when using screws with a strength rating of 12.9.

■ Specifications

Model	IT-5	IT-20
Max. Capacity	5 N·m	20 N·m
Min. Resolution	0.001 N·m	0.01 N·m
Numerical Display	±5.000 N·m	±20.00 N·m
Unit Switching	N = N·m KG = kgf·cm LB = lbf·in)	
Accuracy	0.5% of F.S.	
Load Capacity	200 % of F.S. (Overload Prevention Stopper equipped)	
ADC	16 bit Sampling Rate: 640 times/sec	
Display	4-digit LCD, display converts PEAK/TRACK	
LED Lamps	Red (POWER, LOW,HIGH) Green (OK)	
Comparator	Judgement by lamp with setting upper/lower limit	
Memory Function	Up to 511 Data Points	
Hold Function	Analog Peak Hold	
Signal Output	Optional printer, Digimatic, centronics, RS-232C (convertible to USB, optional I/F cable required)	
Interface	USB (for PC communication)	
Options	Data transfer software: HOP-AP2, USB A-B Cable, RS-232C Cable: HOP-RS1	
Power Supply	Dual Power Supply AC Adapter (100-240 V AC) or Built-in Battery	
Battery	NiMH Charging Time: approx. 4 hours Continuous Use Time: approx. 14 hours (when fully charged, operating temperature: 25°C)	
Operating Conditions	Temperature: 10°C to 40°C Humidity: 85% RH or less (no condensation)	
Dimensions	W230 × D180 × H74 [mm]	
Weight	approx. 3.3 kg	

*Cannot be used with impact wrenches.

*Specifications are subject to change without notice.

● Agent

● Manufacturer

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