

**BATTERY OPERATED TORQUE DRIVER**

**MODEL HAT**

**OPERATING INSTRUCTIONS**



Your Torque Partner  **TOHNICHI**

## Features :

The model “**HAT**” series are rechargeable battery fully automatic operated torque drivers. This tool is used to tighten **M5-M10** bolts. This series can be calibrated by using a torque wrench tester. The torque setting is adjusted by turning the hex bolt located at the bottom of the front arm of the tool. A 4mm hex wrench is needed for turning the hex bolt to adjust the torque. The “**HATR**” features both right and left operation, and the **FM** type allows you to eliminate the chance of miss tightening by adding the **CNA-4** Tohnichi checker to the **HAT/HATR**.

## Standard Accessories :

- Main body
- Rechargeable Battery (BP-9 or BP-12)
- Hex key
- Operating Manual

## Rechargeable Battery (Optional Accessory)

Part Number	BP-9	BP-12
Capacity	2000 mAh	2000 mAh
Applicable HAT Size	5N, 12.5N	25N
Voltage	DC 9.6V	DC 12V

Note : If using a BP-9, than the spare battery should also be a BP-9. If using a BP-12, than the spare battery should also be a BP-12. Using the incorrect battery will affect the applied torque.

## Battery Charger (Optional Accessory)

Part Number	BC-1
Input Power	Single-phase current 50/60Hz Voltage 100V
Charging Time	14 Minutes (at 20°C)
Charging Voltage	7.2 – 12V
Charging Current	9A
Power Cord	Balanced type plastic cord
Weight	1.0 kgs
Operating Temperature Limit	0- 40 °C

## To attach and detach a rechargeable battery

Detaching the battery:

Hold the HAT tightly, press and hold the blue clip on the battery and gently slide the battery out.

Attaching the battery:

Hold the HAT tightly and slide the battery into the bottom of the tool until you feel the blue clip click.

Operation of HAT driver:

1. Select a proper pin, o-ring and socket that will fit onto the end of the tool.
2. Attach the pin, o-ring and socket to the end of the tool.
3. Set the tool to the proper torque by turning the hex bolt located at the bottom of the front arm. A 4mm hex wrench is needed for turning the hex bolt. The adjusting scale (located on the bottom left side of the front arm) will move up or down when

turning the hex bolt.

4. Right/Left operations for HATR version only. Setting the right/left operating direction of the tool is done by using the right/left switch located above the trigger. To use in clockwise mode push the right side of the black switch in and to use in counter clockwise mode push the left side of the black switch in.
5. The HAT's & HATR's will tighten 1000 bolts with a fully charged battery.

### Other optional items for HAT series

FM Receiver : R-FM96D ( for FM model)

Counter checker : CAN-4 (for FM model)

Reaction Arm : Standard accessory for HAT25N & HATR25N. Provided as an option for all other models.

#### <Contact>

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