

# TORQUE WRENCH TESTER

## Instruction Manual

NO.ZV011  
ZV012  
ZV013



### WARNING

- Do not apply more torque than the application can withstand.
- Misuse the tester due to torque overload and abnormal operation will cause the tester damaged.
- Do not press the UNIT and MODE button at the same time, otherwise the tester will return to factory-fresh state and it needs to be returned to the original manufacturer

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Enjoy your work

## Operation



### 1. ZERO / RESET Button

Press the button for return-to-zero. Continuously press the button 1~2 sec. can clean the data of Record List under F PEAK LATCHED Mode.



### 2. UNIT Button

Press the button to choose the torque unit from the screen (Lb-ft, Lb-in, N-m, N-cm, Kg-m, Kg-cm).



### 3. MODE Button

Press the button to choose 3 kinds of testing modes. "Track" displays the live value, "Peak" records the highest value and "First Peak" records the first peak of torque.



### 4. PRINT Button

This button brings the "data output function". Under "F Peak Mode", the achieved torque value will be synchronous transmission to the external computer automatically. However, under "Track" or "Peak" mode, the user has to press this button to transmit the torque value to the external computer.

### 5. F PEAK LATCHED (Light & Buzzer)


Under "F Peak" mode, when the first peak value is achieved, the "light signal" and "Buzzer" indicate the testing completion and show the torque value on the screen. While the operator applies no torque on the tester, the "light signal" will be extinguished, the torque value will be removed and the operator can go for the next testing.

## Operation & Trouble Shooting



### 6. RECORD LIST

Under "F Peak" mode, the operator doesn't need to stop and write after each reading, since "RECORD LIST" Memory function can display the latest 4 previous readings taken by the operator on the screen.

When the operator presses the button  , it will clean

the data of Record List under F PEAK Mode.

## TROUBLE SHOOTING

### No display on the panel

- Check if the power switch is at "ON" position
- Ensure the external power supply is at the range of 100~240 VAC 50/60HZ
- Ensure the power cord is not loose or replace with a new power cord.
- Ensure the fuse wire is not brunt (0.3A)
- Torque value can't back-to-zero

Under no-load status, if the remained torque value still shows on the screen, the user can press "Zero/Reset" button for back-to-zero. If it can't back-to-zero, then the sensor might be damaged or get aging and it needs to be returned to the original manufacturer for repair purpose.

### Torque value shows 99999 on the panel

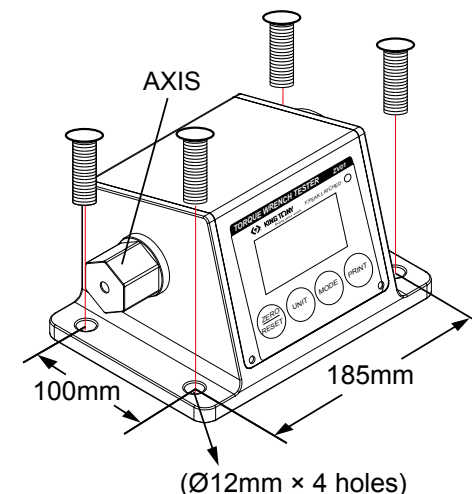
It means the torque is overload 120% of the rating torque. After 2 seconds when the torque is no-load, the torque value will automatically be displayed. However, if the panel keeps showing 99999, then the sensor might be damaged or get aging and it needs to be returned to the original manufacturer for repair.












Do not press the  and  button at the same

time, otherwise the tester will return to factory-fresh state and it needs to be returned to the original manufacturer

## Specifications



### Specifications

Item No.	ZV011	ZV012	ZV013
Calibration range	2~60 Nm	8~400 Nm	100~1500 Nm
Accuracy	± 0.5%		
Units of measurement	Lb-in, Lb-ft, Kg-m, Kg-cm, N-m, N-cm		
Input Hex A/F (mm)	10mm	22mm	36mm
Square Drive Adaptor (inch)	1/4", 3/8", 1/2"	3/8", 1/2", 3/4"	3/4"
Operating Temperature Range	+5°C~ +40°C		
Storage Temperature Range	+0°C~ +70°C		
AC Power Input	100~240V AC 50 / 60HZ(FUSE:0.5A)		
Base material/ Finish	Aluminum Alloy / Painting		
Dimension	210(L) x 150(W) x 140(H) mm		
Socket	 233510M  333510M  433510M  333522M  433522M  633536M		
Suitable country	 Europe  America & Asia  Australia & New Zealand		



Please wear proper safety gear while working.

