



INSTRUCTIONS FOR  
**TORQUE ADAPTOR DIGITAL 1/2" SQ. DRIVE**  
**40-200NM (29.5-147.5LB.FT)**  
 MODEL NO: **STW290**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear eye protection

## 1. SAFETY

- WARNING! DO NOT** use the digital torque adaptor if damaged or thought to be faulty.
- ✓ Ensure all workshop safety rules, regulations and conditions are complied with when using this digital torque adaptor.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and unauthorised persons away from the working area.
- ✓ After use clean with a soft dry cloth and store in a safe, dry, childproof location.
- ✓ Keep the digital torque adaptor away from magnets.
- ✗ **DO NOT** subject the digital torque adaptor to excessive force or shocks.
- ✗ **DO NOT** drop or throw the digital torque adaptor.
- ✗ **DO NOT** use digital torque adaptor unless you have been instructed in its use by a qualified person.
- ✗ **DO NOT** leave the digital torque adaptor in any place exposed to excessive heat, humidity or direct sunlight.
- ✗ **DO NOT** use organic solvents such as alcohol or thinners to clean the digital torque adaptor.
- ✗ **DO NOT** submerge the digital torque adapter in water or any other liquid.
- ✗ **DO NOT** disassemble the digital torque adaptor.
- ✗ **DO NOT** exceed the permitted torque value for the digital torque adaptor.
- ✓ To ensure accurate measurement periodic re-calibration is necessary.

## 2. INTRODUCTION

Designed for use with a ratchet or breaker bar. Ideal for work around the engine bay and the tightening of wheel nuts to factory specifications. Large LCD display with selectable readings in Nm, lb.ft, lb.in, kg-cm or kg-m and accurate to  $\pm 2\%$  of stated capacity. Memory stores up to 50 readings and features auto shut off after 80 seconds. Supplied with certificate and storage case.

## 3. SPECIFICATION

Model no: ..... STW290  
 Drive type: ..... 1/2" Sq.  
 Length: ..... 75mm  
 Range: ..... 40-200Nm (29.5-147.5lb.ft)  
 Battery: ..... 1 x CR2032 supplied

## 4. OPERATION

- WARNING! DO NOT** press Mem and On/off button together as this will enter the unit into Calibration Mode.
- 4.1. **POWER ON** (fig.1).
    - 4.1.1. Attach the adaptor to a ratchet or breaker bar.
    - 4.1.2. After 2 seconds the LCD panel show 0.00.
    - 4.1.3. Tighten the nut or bolt.
    - 4.1.4. The LCD displays the torque value measured.  
 Note: If not used for 80 seconds the Digital Torque Adaptor will automatically shut off.
  - 4.2. **HOW TO SELECT UNIT** (fig.1).  
 Press Mem and Peak / Trace button together and release to select different torque units.  
 Note: When you change units the target setting will also be changed to the new units value.  
 This Digital Torque Adaptor contains 5 unit selections. (kg-cm, kg-m, in-lb, ft-lb, N-m).
  - 4.3. **HOW TO SELECT TARGET TORQUE VALUE** (fig.1).
    - 4.3.1. Increase (+): Press and hold the (+) button to increase the current target value.


- 1 On/Off
- 2 Memory
- 3 Peak/Trace
- 4 Torque setting buttons

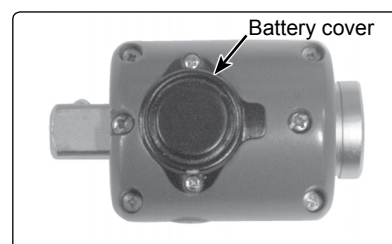


**Fig.1**

- 4.3.2. Decrease (-): Press and hold the (-) button to lower the current target value.
- 4.3.3. The target will show for 10 seconds.
- 4.3.4. After 10 seconds the LCD display 0.00.  
 Note: When the digital torque adaptor get to 20 units before the target, the red LED will flash and an intermittent buzzer will sound, warning that the target value is close.  
 When the target value is attained the red LED will be illuminated and the buzzer will sound continuously.
- 4.4. **HOW TO SET PEAK OR TRACE (fig.1).**
- 4.4.1. **Peak:** Press and release Peak/Trace - button when the digital torque adaptor is on. The LCD panel shows PtoP.
- 4.4.1.1. The LCD panel shows 0.00 after 2 seconds.
- 4.4.2. **Trace:** Press and release Peak/Trace - button when the digital torque adaptor is on.
- 4.4.3. The LCD panel shows trACE.
- 4.4.4. The LCD panel shows 0.00 after 2 seconds.
- 4.5. **TURN OFF (fig.1).**
- 4.5.1. If the adaptor is not used for 80 seconds, it will automatically shut down.
- 4.5.2. To manually turn off the digital torque adaptor press and release the On/Off button.
- 4.6. **MEMORY (fig.1).**
- 4.6.1. To display the stored readings. Turn on the digital torque adaptor.
- 4.6.2. Press and release the Mem button.
- 4.6.3. The display shows the memory number is P01 and then the Torque Value.
- 4.6.4. Press and release the "M" button, again.
- 4.6.5. The display shows the memory number is P02 and then the Torque Value.  
 Note: This Digital Torque Adaptor stores the last 50 torque value readings, P01 is the latest reading, P50 is the oldest.

## 5. MAINTENANCE

- 5.1. **BATTERY REPLACEMENT (fig.2)**
- 5.1.1. Remove the two screws from the battery cover.
- 5.1.2. Lift off the battery cover.
- 5.1.3. Remove the battery from the holder.
- 5.1.4. Install new battery in the holder with the + sign facing upwards.
- 5.1.5. Refit the battery cover and the screws.  
 Note: When the battery is low the  will light.  
 Remove the battery if the torque adaptor is to be stored for a a long time.  
 Battery life is dependant on battery quality and the amount of torque adaptor is used (typical life is up to 55 hours).
- 5.2. **CALIBRATION**
- 5.2.1. Periodic calibration is required for this product contact your Sealey stockist for details.



**Fig.2**



### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



### BATTERY REMOVAL SEE SECTION 5.1

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd's Batteries Producer Registration Number (BPRN) is BPRN00705.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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