

SEALEY

Professional TOOLS

INSTRUCTIONS FOR:

DIGITAL TORQUE ADAPTOR

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 AND 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. PLEASE KEEP INSTRUCTIONS SAFE FOR FUTURE USE.

1. SAFETY INSTRUCTIONS

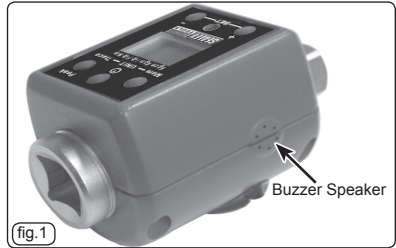
- ❑ **WARNING! DO NOT** use the digital torque adaptor if damaged or thought to be faulty.
- ✓ Ensure all workshop safety rules, regulations, and conditions are complied with when using this digital torque adaptor.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip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

2. INTRODUCTION & SPECIFICATIONS

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.

Specifications:

Drive: 1/2"
Accuracy: $\pm 2\%$
Memory: 50
Display resolution: 0.1
Display Range: 40-200 N-m (29.5-147.5lb-ft)
Operation Mode: Peak/Trace
Unit Selection: kg-cm, kg-m, lb-in, lb-ft, Nm
Length: 75mm
Width: 45mm
Battery: 1 x CR2032
Battery Life: 55hrs (continuous operation)
Operating Ambient Temperature: -10°C - 60°C (13.9°F - 139.9°F)
Storage Temperature: -20°C - 70°C (-4°F - 157.9°F)
Operating relative humidity: 15 to 90% non-condensing
Auto shut off: After 80 seconds of inactivity



3. INSTRUCTIONS

- ❑ **WARNING! DO NOT** press "Mem" and "power" button together as this will enter the unit into Calibration Mode.

3.1 Power On (fig.2).

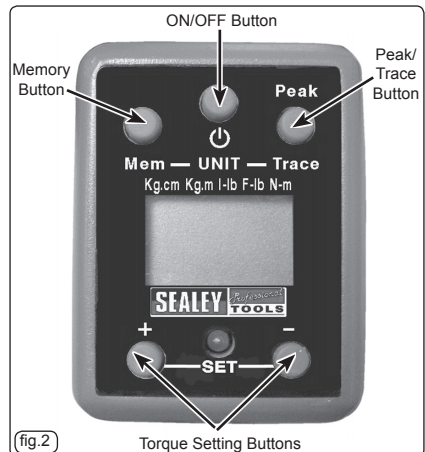
- 3.1.1 Attach the adaptor to a ratchet or breaker bar.
- 3.1.2 Press and release the "ON/OFF" button to turn the adaptor on. The LCD panel shows "Trace" or "PtoP".
- 3.1.3 After 2 seconds the LCD panel show "0.00".
- 3.1.4 Tighten the nut or bolt.
- 3.1.5 The LCD displays the torque value measured.

Note: If not used for 80 seconds the Digital Torque Adaptor will automatically shut off.

3.2 How to select "Unit" (fig.2).

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).



3.3 How to select "Target Torque Value" (fig.2).

- 3.3.1 Increase (+): Press and hold the (+) button to increase the current target value.
- 3.3.2 Decrease (-): Press and hold the (-) button to lower the current target value.
- 3.3.3 The target will show for 10 seconds.
- 3.3.4 After 10 seconds the LCD display 0.00.

Note: When the digital torque adaptor get to 20% 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.

3.4 How to set "Peak" or "Trace" (fig.2).

- 3.4.1 **Peak:** Press and release "Peak/Trace" - button when the digital torque adaptor is on.
- 3.4.2 The LCD panel shows "PtoP".
- 3.4.3 The LCD panel shows 0.00 after 2 seconds.
- 3.4.4 **Trace:** Press and release "Peak/Trace" - button when the digital torque adaptor is on.
- 3.4.5 The LCD panel shows "trACE".
- 3.4.6 The LCD panel shows 0.00 after 2 seconds.

3.5 Turn Off (fig.2).

- 3.5.1 If the adaptor is not used for 80 seconds, it will automatically shut down.
- 3.5.2 To manually turn off the digital torque adaptor press and release the "ON/OFF" button.

3.6 Memory (fig.2).


- 3.6.1 To display the stored readings. Turn on the digital torque adaptor.
- 3.6.2 Press and release the "Mem" button.
- 3.6.3 The display shows the memory number is "P01" and then the "Torque Value".
- 3.6.4 Press and release the "Mem" button, again.
- 3.6.5 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.

4. MAINTENANCE

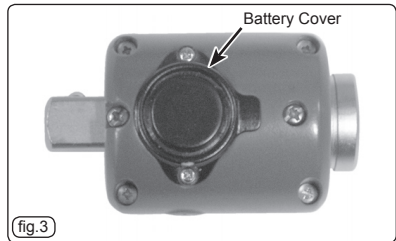
4.1 Battery Replacement (fig.3).

- 4.1.1 Remove the two screws from the battery cover.
- 4.1.2 Lift off the battery cover.
- 4.1.3 Remove the battery from the holder.
- 4.1.4 Install new battery in the holder (with the "+" sign facing upwards).
- 4.1.5 Refit the battery cover and screws.

Note: When battery is low a "  " icon will light. Remove the battery if stored for a long period of time. Battery life depends on battery quality and the amount of the lights and buzzer are used, typical life is up to 55 hours.

4.2 Calibration

- 4.2.1 Periodic Calibration is required for this product, contact your Sealey dealer for details.



6. DECLARATION OF CONFORMITY

Declaration of Conformity We, the sole importer into the UK, declare that the product listed below is in conformity with the following standards and directives.

Digital Torque Adaptor
Model No: STW290

2002/95/EC RoHS Directive
2002/96/EEC WEEE Directive

Signed by Steve Buckle  6th February 2009

For Jack Sealey Ltd. Sole importer into the UK of Sealey Power Products.

The construction file for this product is held by the Manufacturer and may be inspected on request by contacting Jack Sealey Ltd.

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 product.

WARRANTY: Guarantee is 12 months from purchase date, proof of which will be required for any claim.

INFORMATION: Call us for a copy of our latest catalogue on 01284 757525 and leave your full name and address including your postcode.



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