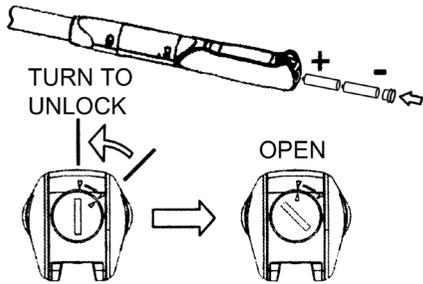


#### 4. BATTERIES



- 4.1 **Changing / loading batteries.** Use a coin to unlock the battery compartment by turning the cap anti-clockwise and removing it. Insert two new AA size batteries (positive end first) into the compartment. Line up the small arrow on the battery cap with the arrow above the compartment aperture. Using a coin push the cap flush with the end of the wrench and turn it to the locked position.
- 4.2 **Low voltage protection.** If the battery serial voltage falls below 2.3 volts the wrench will show a battery symbol in the top left hand corner of the display for a short while then cut off.

#### 5. RE-CALIBRATION

- 5.1 In order to ensure continued accuracy the wrench should be re-calibrated annually and after any impact or other misuse. Contact your local Sealey dealer.

**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 will be required for any claim. **INFORMATION:** For a copy of our catalogue and latest promotions call us on 01284 757525 and leave your full name, address and postcode.



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## DIGITAL TORQUE WRENCHES INSTRUCTIONS FOR MODEL NOS: STW300, STW301, STW302, STW303

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



**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS AND CAUTIONS. USE THIS 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

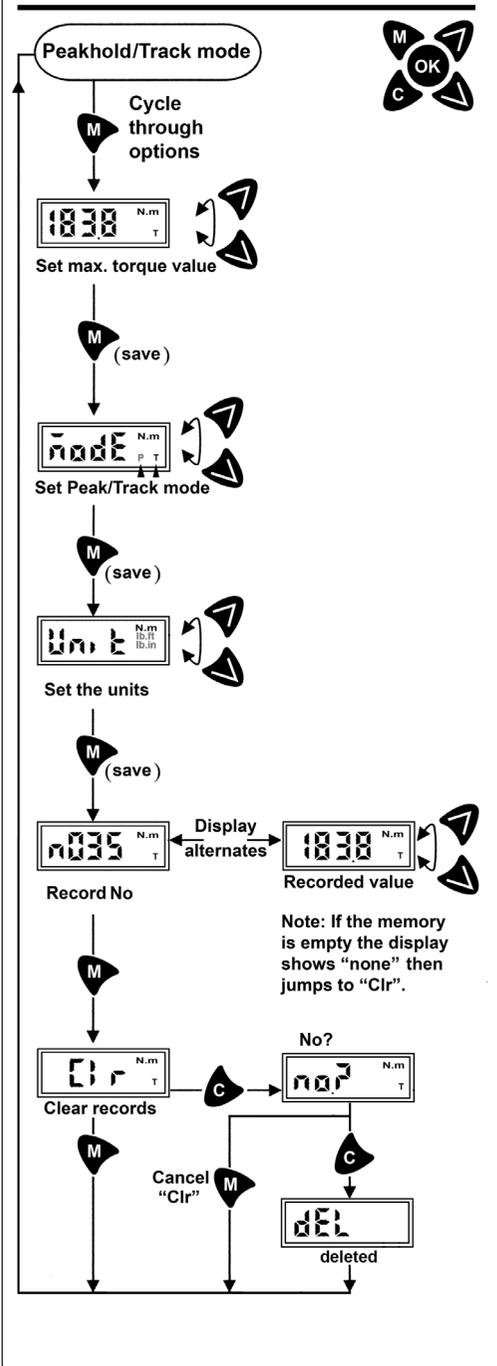
- WARNING! DO NOT** use the wrench if damaged or thought to be faulty.
- ✓ Ensure all workshop safety rules, regulations and conditions are complied with when using torque wrench.
- ✓ Maintain correct balance and footing. Ensure the floor is not slippery and wear non-slip shoes.
- ✓ Keep children and 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 wrench away from magnets.
- x **DO NOT** subject the wrench to excessive force or shocks.
- x **DO NOT** drop or throw the wrench.
- x **DO NOT** use wrench unless you have been instructed in its use by a qualified person.
- x **DO NOT** leave the wrench 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 wrench.

#### 2. INTRODUCTION & SPECIFICATION

- 2.1. **Introduction** Rugged and resilient digital torque wrenches suitable for workshop and factory use. LCD readout with LED/audible alarm indicates achieved and target torque levels. Preset desired torque levels or track peak and working torques using simple push-button menu. Stores up to 50 readings. Selectable readout in lb.ft, lb.in or Nm. Reversible Chrome Vanadium ratchet allows torque reading in either direction. **Accurate to  $\pm 2\%$  between 20% and 100% of wrench's stated capacity.** Tested in accordance with EN ISO 6789. Supplied with certificate and storage case.

MODEL NO. →	STW300		STW301		STW302		STW303	
DRIVE	1/4"		3/8"		1/2"		1/2"	
LENGHT	390mm		415mm		530mm		650mm	
	Range accurate to $\pm 2\%$	Stated capacity	Range accurate to $\pm 2\%$	Stated capacity	Range accurate to $\pm 2\%$	Stated capacity	Range accurate to $\pm 2\%$	Stated capacity
TORQUE (Nm)	6 - 30	1.5 - 30	27 - 135	6.8 - 135	40 - 200	10 - 200	68 - 340	17 - 340
TORQUE (lb.ft)	4.42 - 22.12	1.11 - 22.12	19.9 - 99.5	5 - 99.5	29.5 - 147.5	7.4 - 147.5	50.1 - 250.7	12.5 - 250.7
TORQUE (lb.in)	53.1 - 265.5	13.3 - 265.5	239 - 1195	60 - 1195	354 - 1770	88.0 - 1700	602 - 3009	150 - 3009

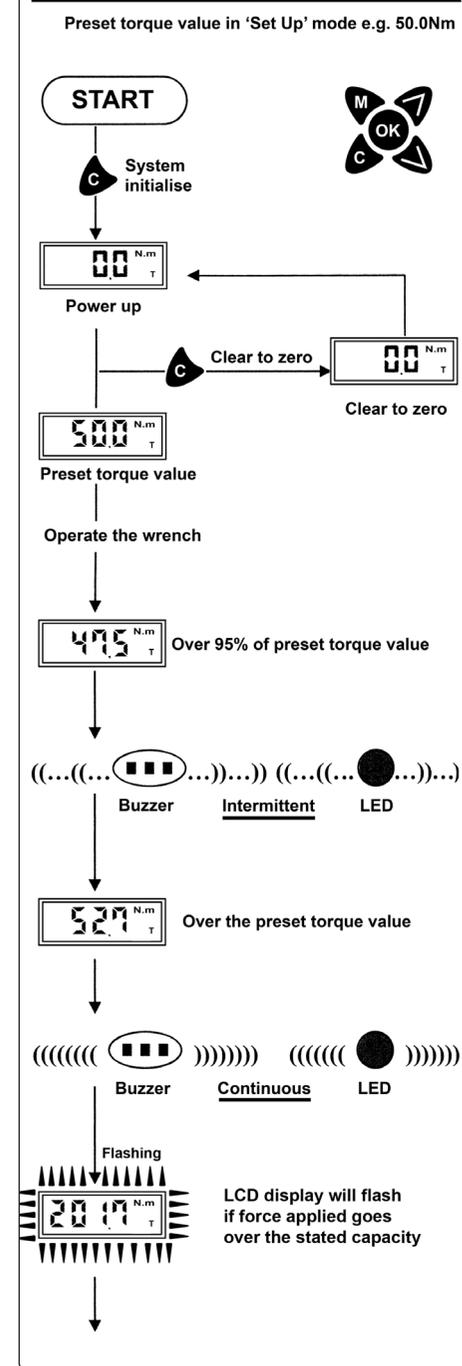
## SET UP SCHEMATIC



## 3. OPERATION

- 3.1. **MODES OVERVIEW:**
- 3.2 In **Set Up Mode** the 'M' button is used to cycle through the available options. As each option appears the up/down arrow buttons are used to set a value or select a particular option. When the adjustment/selection is complete the 'M' button is pressed again to save the settings and automatically move the display into the next option. The first option displays the current max. torque setting. The second option is entitled **mode** and allows the selection of either Track or Peak Hold mode. The third option is entitled **Unit** and allows selection of three alternative units of measurement (see spec.). The fourth option will show a memory location number and this number will alternate with the value stored there. The fifth option is entitled **Clr** - and allows the deletion of the previously displayed record.
- 3.3 In **Track Mode** the torque is preset in the set up menu. As the wrench applies a turning force to a bolt the readout will show a continually mounting torque figure. When 95% of the preset value is reached the internal buzzer sounds intermittently and the LED flashes intermittently. When the force applied goes over the preset torque the buzzer sounds continually, the LED is fully lit. If the force applied goes over the stated max. capacity the LCD display will flash.
- NOTE: there is no mechanical 'click' when the wrench reaches the preset torque. As the turning force on the wrench is released the digital readout rolls back down to zero.
- 3.4 In **Peak Hold Mode** the torque is also preset in the set up menu. The action of the wrench is the same as track mode except that when the pressure is released the display will stay at the maximum torque that has been applied. This value can then be stored in one of 50 memories. As the ratchet is reversible the wrench can be used on reverse thread fixings and can also be used to show the amount of torque required to undo a particular bolt. For further detailed information on each mode see the schematics.
- 3.5 **Power On.** To turn the wrench on press the 'C' button. If the wrench is not used for five minutes it will 'sleep' in power saving mode. Press the 'C' button to reactivate it.
- 3.6 **Reset in use.** To reset the wrench to zero before taking the next reading press the 'C' button.
- 3.7 **Full reset.** If the wrench appears to malfunction press the 'C' button and the 'up arrow' button together for a complete reset.
- 3.8 **Memory full.** If all 50 memories are used 'full' will appear on the display. It will then be necessary to clear the memory in set up mode.

## TRACK MODE SCHEMATIC



## PEAK HOLD SCHEMATIC

