



INSTRUCTIONS FOR:

TORQUE WRENCHES

MODEL No's: **AK223, AK224, AK228**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions and maintained properly, 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

1. SAFETY

- X Ensure all workshop safety rules, regulations and conditions are complied with when using the torque wrench.
- ✓ Maintain the wrench in good condition and replace any damaged or worn parts. *Use genuine parts only. Unauthorised parts may be dangerous and will invalidate the warranty.*
- X The wrench is a precision tool, **DO NOT** abuse it.
- ✓ 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.
- WARNING! DO NOT** use the wrench if damaged or thought to be faulty (Contact Service Agent).
- 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** use any cleaner which might affect the high pressure grease with which the wrench it is packed.
- ✓ After use adjust to lowest torque setting (but not below), clean and store in a safe, dry, childproof location.

2. INTRODUCTION

Heat treated steel ratchet head. Fully hardened and tempered. Chrome plated for corrosion resistance. Calibration tolerance in accordance with BS EN ISO 6789:2003. Micrometer type torque range adjustment with scale graduated in both Nm and lb.ft. Flip reverse ratchet mechanism. Supplied in storage case.

3. SPECIFICATION

Model No:	AK223	AK224	AK228
Torque Range (ft.lb/N.m)	20-80/27-108	20-150/27-204	50-300/68-407
Drive ("sq.)	3/8	1/2	3/4
Length (mm)	275	465	660

4. OPERATION

- 4.1. Hold torque wrench in left hand (if right handed) so that required scale - foot.pounds or Newton.metres - is uppermost and visible.
- 4.2. Turn knurled lock screw at end of handle anticlockwise to unlock knurled adjusting grip.
- 4.3. Turn adjusting grip to select torque setting as follows, for a required setting of 56ft.lb:
 - Turn grip until top edge of grip is level with the 50ft.lb line on the handle scale and the zero graduation on the grip is aligned with the centre line of the handle scale.
 - Rotate handle further, clockwise, until '6th' graduation on grip is aligned with centre line to give a setting of 50 + 6 = 56ft.lb.
NOTE: If using the 'N.m' scale then each division on the grip graduation is equivalent to 1.36N.m.
Therefore to set wrench at 76N.m:
 - Turn grip until top edge of grip is level with the 67.8N.m line on the handle scale and the zero graduation on the grip is aligned with the centre line of the handle scale.
 - Rotate the handle further, clockwise, until the '6th' graduation on the grip is aligned with the centre line to give a setting of 67.8 + (6 x 1.36) = 67.8 + 8.2 = 76N.m.
- 4.4. Tighten lock screw at end of handle to prevent accidental alteration of the setting.
- 4.5. When tightening the nut/bolt you will feel and hear the wrench mechanism click when the set torque is reached. Immediately stop applying force to wrench to avoid overtightening nut/bolt. Wrench will reset ready for next application.
NOTE: If the wrench has not been used for some time, operate it a few times, at a low setting, to ensure all internal parts are coated in grease.

5. RECALIBRATION

- 5.1. **Calibration check**
We recommend to ensure continued accuracy the calibration of each wrench should be checked annually, beginning one year after first use. Calibration should also be checked after any impact, over-torquing or other misuse. Contact your Sealey stockist o arrange recalibration.