

Digital Torque Angle Adaptor - 1/2"D



How to use Digital Torque Angle Adaptor – 1/2"D

Torque Adaptor

1. When you start the adaptor the indicator flashes **GREEN**.
2. When you reach 20% from target the adaptor will flash **YELLOW** and an intermittent buzzer will be heard.
3. When the target is reached a **RED** light will appear and the buzzer is continuous.

Peak and Trace

With the adaptor switched on by pressing the **P/T** button you can select **Peak** or **Trace**.

Peak "P_{LOP}"

This will give the value as detailed above.

Trace "T_{RACE}"

This will show the increase in increments on the display until the targeted value is reached.

Angle Functions

1. Place the adapter on a flat surface.
2. Press and release "**ANG/TOQ**" button.
3. The LCD panel will show "**00000**" followed by "**0°**".
4. Turn wrench either clockwise or counter clockwise.
5. The LCD panel shows the angle value measured (CCW: -5°, -6°, ...-20° etc) (CW: 5°, 6°, ...20° etc).

Angle Value

1. To increase, press and hold the **(+)** button to increase the current target value. The target value will appear for 10 seconds.
2. To decrease, press and hold the **(-)** button to decrease the current target value.

3. The target value will show for 10 seconds. After 10 seconds the value returns to "**0°**".

Memory (automatically saves)

Torque reading - each pre - set can save 10 sets of readings.

Angle reading - stores 50 sets of memory of angle/torque readings.

To display the Memory

Torque Reading

1. Press **MEM** for 1 sec.
2. Press **(+)** or **(-)** to read stored readings (M1, M2, etc).

Angle Reading

3. Press **MEM & (+)** for 1 sec (LCD shows "**P/T**").
4. Press **(+)** or **(-)** to read stored readings (r1, r2, etc).
5. Press **MEM & (+)** returns to Torque function ("**P**").

Safety precautions – PLEASE READ

- Store in a clean, dry place.
- Use a soft, dry cloth to clean the adaptor and display panel.
- Never submerge in water.
- Only use the adaptor for the purpose it is intended.
- Do not exceed the permitted torque.
- Do not use the adaptor if it appears to be malfunctioning.
- Do not disassemble the adaptor.
- Do not expose the adaptor to extreme temperatures, humidity, direct sunlight or shock.
- **Recalibration**
Hold **MEM** (Memory) and **⏻** (Power) together. Recalibrate when necessary.



Guarantee

If this product fails through faulty materials or workmanship, contact our service department direct on: **+44 (0) 1926 818186**. Normal wear and tear are excluded as are consumable items and abuse.



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Components & Features



Specifications

Torque Accuracy	±2%
Angle Accuracy	(± 1% of reading) + (± 1% @ angular velocity > 10°/sec < 180°/sec) + (± 1% of Text Texture)
Preset / Memory	100 (10 sets for each preset)
Display resolution	Torque : 0.1 Angle : 1
Display range	Torque: 40- 200 Nm (29.5-147.6 lb-ft) Angle: 5 - 360°
Drive	1/2"D
Operation Mode	Peak/Trace
Unit Selection	Nm, Ft-lb, In-lb, Kg-m
Dimension	Depth: 75 mm, Length / Width: 101 mm
Weight	290g
Battery	2 x AA
Battery Life	55hrs (continuous operation)
Ambient Temperature (Operating)	0°C - 60°C (31.9°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 when not in use	After 60 secs

This digital torque angle adaptor combines a torque wrench 40- 200Nm and 5-360° angle gauge.

Developments in modern technology have resulted in specifications for tightening fasteners to a lower torque threshold and then rotating the fastener through a further specified angle, thus the use of this tool is now essential.

Available in three drive sizes from 6<200Nm



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Low battery warning

1. When the battery is low “LO” will appear.
2. Typical battery life is 55 hours at continuous use.
3. Always remove the battery if stored for long periods.
4. Adaptor automatically shuts down if unused for 60 secs.

To replace the battery

1. Turn off power.
2. Remove the 2 Ph1 screws from the square plate on the drive side of the adaptor.
3. Remove the batteries and discard in accordance with local authority guide lines.
4. Replace the batteries with Negative (-) end towards the spring.
5. Replace the cover & screws.

Power On

1. Press the (⏻) button.
2. After 2 seconds the adaptor will show 0.0 and the torque measurement selected.
3. By pressing **MEM** and **P/T** together you can scroll through the selection of torque measurements, stopping at the selected torque required.

Select Target Torque Value

1. To increase or decrease the target torque required press the + or – button.
2. After 10 seconds the value will display 0.0.