

TruCheck™ Models 3 N.m, 10 N.m and 25 N.m

Simple, Cost Effective Torque Testing

The importance of keeping your torque tools in peak calibration condition is well established. Many businesses achieve this by using a third party calibration service. However, how much more convenient would it be to perform calibration checks in-house? Tools could be checked more frequently, immediately if a problem is suspected, and tools would not need to leave site unnecessarily.

The main reasons that more companies do not perform calibration checks on their own tools are the cost of testers and fears over the complexity of the testing equipment. Norbar's 'TruCheck' torque screwdriver testers aim to sweep aside these concerns. They are very cost effective being significantly cheaper than most similar products on the market and the basic version of the TruCheck particularly is very simple to use.

The product comes in two versions: there is a basic version, simply called 'TruCheck' and a version with greater functionality called 'TruCheck Plus'.



TruCheck Plus 3 N.m and 10 N.m



TruCheck 25 N.m



Technical Specification

Accuracy: $\pm 1\%$, ± 1 digit over the stated operating range.
 Display: 4 digit, 7 segment LED.

TruCheck 3 N.m and 10 N.m

Drive Size: 1/4" male hexagon (vertical)
 Dimensions in mm: 64(d) x 175(w) x 72(h)
 Weight: 2.6 kg shipping

TruCheck 25 N.m

Drive Size: 1/4" male hexagon (horizontal) - supplied with 1/4" and 3/8" female square drive adaptors
 Dimensions in mm: 72(d) x 175(w) x 64(h)
 Weight: 2.6 kg shipping
 Materials/Finish: Powder coated aluminium housing.
 Stainless steel transducer shaft.

TruCheck™

Model	Part No.	Range
TruCheck 3 N.m	43253	0.1 - 3 N.m
TruCheck Plus 3 N.m	43250	0.1 - 3 N.m
TruCheck 10 N.m	43254	1 - 10 N.m
TruCheck Plus 10 N.m	43251	1 - 10 N.m
TruCheck 25 N.m	43255	1 - 25 N.m
TruCheck Plus 25 N.m	43252	1 - 25 N.m



TruCheck™ Models 350 N.m, 1000 N.m and 2000 N.m

One of the concerns in putting a torque tester into an environment where people are not calibration specialists is that incorrect selections will be made with the potential for incorrect tool setting and consequently tool failure. Norbar's solution is to remove all choices from the operator. The TruCheck is for click type torque wrenches and comes with a single measurement unit (N.m or lbf.ft). There is only one button on the device and that is to zero the display. Operation is simplicity itself and it is virtually impossible to go wrong!



TruCheck 10 - 350 N.m

TruCheck™

Model	Part No.	Range
TruCheck 350 N.m	43221	10 - 350 N.m
TruCheck 250 lbf.ft	43226	10 - 250 lbf.ft
TruCheck 1000 N.m	43230	100 - 1000 N.m
TruCheck 750 lbf.ft	43237	75 - 750 lbf.ft
TruCheck 2000 N.m	43244	200 - 2000 N.m

Technical Specification

Accuracy: $\pm 1\%$, ± 1 digit over the stated operating range.

Display: 4 digit, 7 segment LED.

TruCheck 350 N.m and 250 lbf.ft

Drive Size: 1/2" female square

Dimensions in mm: 145.5(d) x 150(w) x 85(h)

Weight: 3.2 kg shipping

TruCheck 1000 N.m and 750 lbf.ft

Drive Size: 27mm male hexagon supplied with 3/4" square drive socket

Dimensions in mm: 145.5(d) x 175(w) x 85(h)

Weight: 4.8 kg shipping

TruCheck 2000 N.m

Drive Size: 27mm male hexagon supplied with 1" square drive socket

Dimensions in mm: 145.5(d) x 175(w) x 85(h)

Weight: 5.8 kg shipping

Materials/Finish: Self coloured rigid polypropylene case.

Stainless steel transducer shaft and zinc plated steel base plate.



Power Tool Test Fixture For TruCheck™, 1000 N.m and 750 lbf.ft (Part Number 50757) 2000 N.m, (Part Number 50774)

These Power Tool Test Fixtures incorporate a Joint Simulation Rundown Assembly, base plate, reaction plate, drive adaptors and a reaction adaptor. When used in conjunction with a TruCheck Plus 1000 or TruCheck Plus 2000, provides a cost effective means of testing Norbar's PTM-52, PTM-72 and PT72 tools. The Joint Simulation elements can be purchased separately for customers wishing to design their own reaction fixtures; part number 50758 for 1000 N.m and 50775 for 2000 N.m. These joint simulators are not recommended for use with impact or impulse type wrenches.

TruCheck™ Plus

Accepting that some customers require more flexibility than the basic TruCheck provides, the 'Plus' adds a comprehensive range of features. With three modes of operation the TruCheck Plus is suitable for click wrenches, dial and electronic wrenches and in 'Track' mode will continuously monitor the torque signal.

There are three torque units - N.m, lbf.ft and lbf.in.

TruCheck Plus also has a user selectable 'limit' feature. The operator sets the target torque and tolerance and the instrument will calculate whether the reading is within tolerance and indicate the result by illuminating one of three coloured LEDs: yellow = low, green = OK, red = high.

Finally, TruCheck Plus has an RS-232 serial data output and comes complete with an RS-232 lead. The reading, measurement unit and limit status (Low, OK or High) are output via RS-232.



TruCheck Plus 100 - 1000 N.m
3/4" socket is supplied

TruCheck™ Plus

Model	Part No.	Range
TruCheck Plus 350 N.m	43222	10 - 350 N.m
TruCheck Plus 1000 N.m	43231	100 - 1000 N.m
TruCheck Plus 2000 N.m	43245	200 - 2000 N.m

Calibration Options

TruCheck instruments are supplied as standard with a traceable calibration certificate for the clockwise direction. As an option, UKAS accredited calibration certificates from Norbar's laboratory can be supplied, either clockwise only or clockwise and counter clockwise.

Part No.	Description
TCACC.CW	UKAS accredited calibration clockwise
TCACC.CW+CCW	UKAS accredited calibration clockwise and counter clockwise

Note: UKAS accredited calibration is from 5% to 100% of full scale for part numbers 43221, 43226, 43222 43250, 43252, 43253 & 43255 and 10% to 100% for part numbers 43230, 43231, 43237, 43244, 43245, 43251 & 43254.