

GLOBAL SERVICE

Norbar is the only torque equipment manufacturer capable of offering tool and instrument recalibration services to the original factory standard on four continents.

Accredited laboratories in Australia, USA, Singapore, China and India operate the same equipment and procedures as the UKAS accredited laboratory within our headquarters in the UK.



NORBAR TORQUE TOOLS LTD
Wildmere Road, Banbury, Oxfordshire, OX16 3JU
UNITED KINGDOM
Tel + 44 (0)1295 753600
Email sales@norbar.com



NORBAR TORQUE TOOLS
45-47 Raglan Avenue, Edwardstown
SA 5039
AUSTRALIA
Tel + 61 (0)8 8292 9777
Email norbar@norbar.com.au



NORBAR TORQUE TOOLS INC
36400 Biltmore Place, Willoughby
Ohio 44094
USA
Tel + 1 866 667 2272
Email inquiry@norbar.us



NORBAR TORQUE TOOLS
c/o Snap-on Tools Singapore PTE LTD
25 Tagore Lane #01-02
SINGAPORE 787 602
Tel + 65 6841 1371
Email enquiries@norbar.sg



NORBAR TORQUE TOOLS (SHANGHAI) LTD
91 Building- 7F, No. 1122, North Qinzhou Road
Xuhui District, Shanghai
CHINA 201103
Tel + 86 21 6145 0368
Email sales@norbar.com.cn



NORBAR TORQUE TOOLS INDIA PVT. LTD
Plot No A- 168 Khairne Industrial Area
Thane Belapur Road
Mahape Navi Mumbai – 400 709
INDIA
Tel + 91 22 2778 8480
Email enquiry@norbar.in

www.norbar.com



NORBAR PRODUCT PORTFOLIO

-  Torque Screwdrivers
-  Torque Wrenches
-  Electronic Torque Wrenches
-  Manual Torque Multipliers
-  Pneumatic Torque Tools
-  Electronic Torque Tools
-  Battery Torque Tools
-  Torque Measurement Instruments
-  Torque Transducers
-  Calibration Services



For more information please scan here



NORTRONIC®

ACCURATE ELECTRONIC TORQUE AND ANGLE CONTROL
WITH WIRELESS DATA INTERFACE AND BLUETOOTH®
TECHNOLOGY FOR THIRD PARTY SOFTWARE INTEGRATION

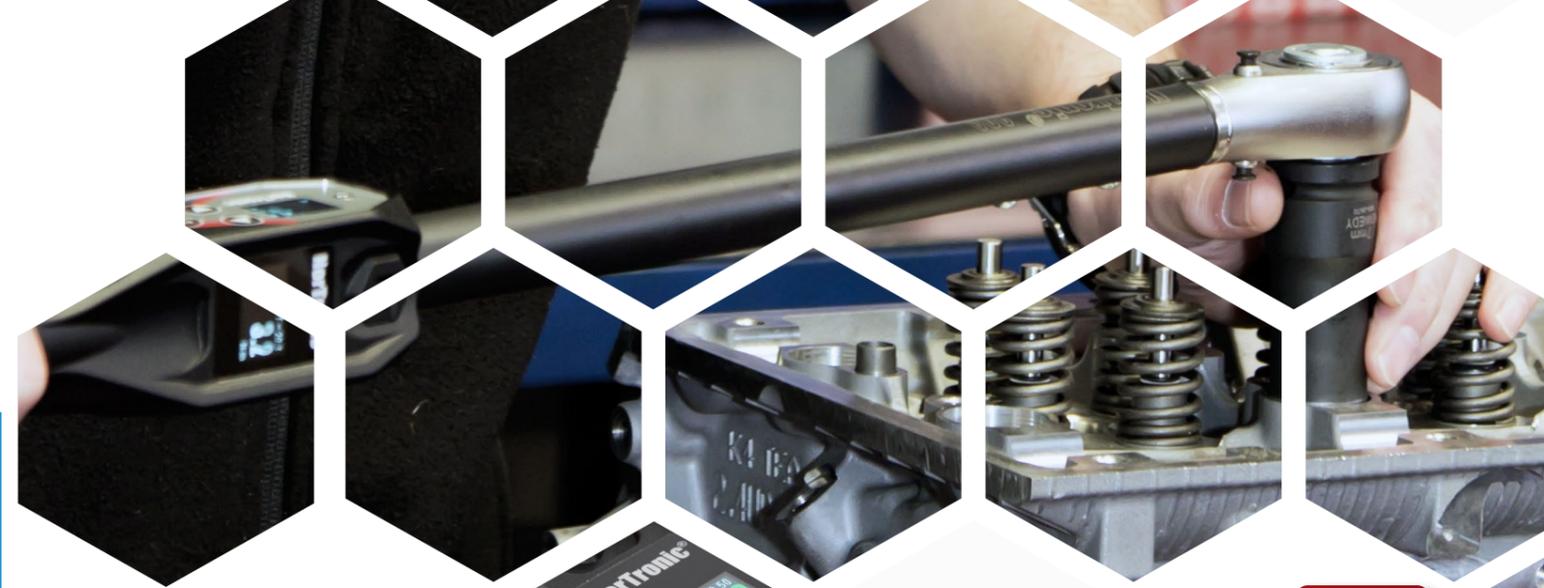


NORTRONIC® - THE ELECTRONIC TORQUE WRENCH

PRECISE, WIRELESS, CONNECTABLE AND TRACEABLE

NorTronic® sets the benchmark for electronic torque wrenches with its combination of accuracy, wireless capability and angle measurement.

The wrench offers great flexibility in connection possibilities as it can be interfaced with customers' existing production control software and NorTronic's own unique Torque Data System (TDS) software.



Compatible with Norbar's huge range of spanner end fittings

Unique Torque Data System software enables data management and archiving to a PC



CONNECTIVITY

The NorTronic® is an electronic torque and angle wrench capable of measuring, displaying, storing and transmitting test results and receiving configuration settings from TDS (Torque Data System PC software) via USB, Wireless or Bluetooth® interfaces

TDS Data can be transferred by two means:

- i) USB cable (supplied)
(NorTronic® Bluetooth® versions must be connected to TDS via USB lead)
- ii) USB Wireless Adaptor for your PC (sold separately, see image to left)
Part No. 43508: 868 MHz UK, Europe, Singapore and India
Part No. 43509: 915 MHz USA, Canada, Australia and New Zealand

Bluetooth® interface versions with plaintext protocol for easy integration into user environments; set targets, get results and stream live torque and angle data using your own software and equipment on phones, computers and tablets

Includes USB port for interface to TDS

ASCII mode allows for interfacing the tool with third party software

VERSATILITY

Supplied with a robust push-through ratchet

Easy to depress plunger for ratchet removal

Ability to enter offset compensation for non-standard end fittings

Torque wrench reads correctly for non-standard end fittings, no need to do additional calculations

Ability to set a Torque, Angle and Final Torque Target

Ability to have up to 15 linked or non-linked Targets on the tool at any one time

ACCURACY

±1% accuracy between 20 and 100% of wrench operating capacity

±2% accuracy between 10 and 19% of wrench operating capacity

Clockwise (CW) and Counter-Clockwise (CCW) torque and angle calibration

Supplied with unique Torque and Angle Calibration Certificate

Angle calibration in accordance with VDI/VDE 2648

UKAS accredited Torque calibration in both Clockwise and Counter-Clockwise direction

EASY TO USE

Two full colour OLED displays positioned at 90° to each other for visual indication both horizontally and vertically

Only 5 user buttons for ease of use

Low battery warning

Gives visual (digits change colour), audible and physical indication via vibration, that the tool target has been reached

Ability to turn off angle display if not required

12 Torque units - can be used in any country's preferred torque units

When used with a HandTorque® gearbox the NorTronic® can directly display, save and send the calculated output torque of the HandTorque® multiplier



NorTronic® DLL (Dynamic Link Library) plugin enables NorTronic® 868 MHz and 915 MHz version tools to be interfaced to a customer's existing production line control software. DLL is not compatible with Bluetooth® versions. Contact Norbar for more details.

DATA ANALYSIS

Unique TDS (Torque Data System) software included. Enables complete data management and archiving to a PC through seamless data exchange

Maximum of 2,400 (date & time stamped) reading memory store

Calibration date of tool can be displayed via TDS or third party software

Ability to produce and save Torque & Angle graphs (in real time) from a USB connected tool

Produce, save, view and print real time Torque & Angle graphs in conjunction with TDS

View and print reports for results in conjunction with TDS

PERFORMANCE

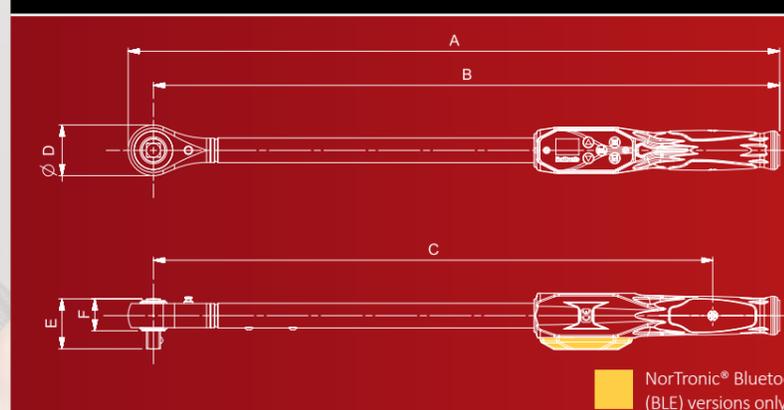
IP44 protection against dust and water ingress

One piece aluminium handle, rugged and durable

Portable, powered by three AA batteries. (Rechargeable batteries supplied)

Supplied in a robust extruded aluminium case

TECHNICAL SPECIFICATION



		Model			
		50	200	330	
Ratchet Square Drive		½"	½"	½"	½"
Part Number		43500 (868 MHz)	43501 (868 MHz)	43502 (868 MHz)	43503 (868 MHz)
		43504 (915 MHz)	43505 (915 MHz)	43506 (915 MHz)	43507 (915 MHz)
		43534 (BLE)	43535 (BLE)	43536 (BLE)	43537 (BLE)
Torque Range (N·m)		5-50	5-50	20-200	33-330
Resolution (N·m)		0.01	0.01	0.10	0.10
Dimensions (mm)	A	468	472	592	808
	B	449	449	569	782
	C	388	388	508	721
	ØD	38	46	46	52
	E	34	45	45	45
	F	20	28	28	28
Weight (kg)		1.20	1.20	1.45	1.89