

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

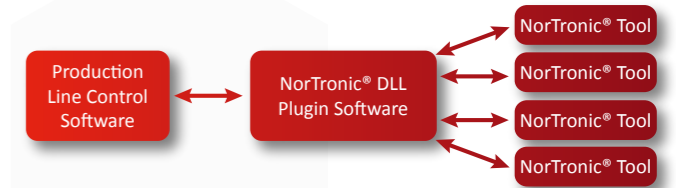
Low battery warning

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) 43504 (915 MHz) 43534 (BLE)	43501 (868 MHz) 43505 (915 MHz) 43535 (BLE)	43502 (868 MHz) 43506 (915 MHz) 43536 (BLE)	43503 (868 MHz) 43507 (915 MHz) 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

