

## 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. Our accredited laboratories in Australia, USA and Singapore operate the same equipment and procedures as the UKAS accredited laboratory within our headquarters in the UK. Further Norbar laboratories are in operation in China and India.



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## NORBAR PRODUCT PORTFOLIO



Torque Screwdrivers



Torque Wrenches



Electronic Torque Wrenches



Hand Torque Multipliers



Pneumatic Torque Multipliers



Electronic Torque Tools



Torque Measurement



Torque Transducers



Ultrasonic Bolt Measurement

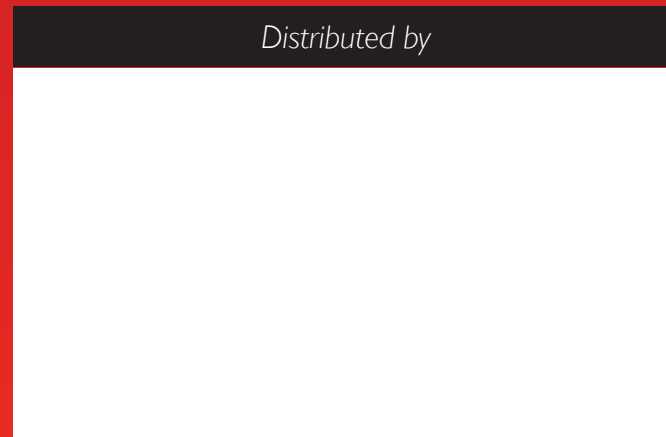


Calibration Services

# NEW

## T-BOX XL™

### THE COMPREHENSIVE TORQUE DATA MANAGEMENT INSTRUMENT





# THE NEW IMPROVED T-BOX XL™, YOUR INSTRUMENT OF CHOICE FOR THE MEASUREMENT AND COLLECTION OF TORQUE DATA

## THE DEVICE

- The T-Box XL can be used as a hand held portable device – using the provided neck strap – or bench mounted
- The T-Box XL features a 7" (178mm) colour touch screen LCD display with on screen graphic icons for simple and easy tool selection
- The screen resolution has a WVGA –Wide Video Graphics Array – of 800(W) v 480(H) and features an update rate of 3 times per second (3Hz)
- T-Box XL has 2 USB ports for data transfer; one RS232 serial port and an ancillary connection (RS232 and USB cables supplied as standard.) The instrument can be used with a Bar Code Scanner; Mouse, Keyboard and Printer etc.
- Includes a serial port for data output to a PC or printer
- The instrument is operational from internal rechargeable battery or power supply adaptor (supplied as standard)

Part Number	Dimensions	Weight
43258	162 mm high x 205 mm wide x 60mm deep	1.9 Kg (4.2lbs) T-Box XL™ only  4.6Kg (10.1lbs) T-Box XL™ kit

## ANCILLARIES

Part Number	Description
60216.200	T-Box XL™ to 10 way lead, for Norbar Rotary Transducers
60217.200	T-Box XL™ to 6 way lead, for Norbar Static and Annular Transducers
60223.200	T-Box XL™ to no connector (for non-Norbar Transducers)
60248	Serial Data Lead Kit



made in  
england



Instrument Set-up



Language Selection



Mode Set-up

## FUNCTION

- Includes 8 modes for torque tool measurement: Track, Click, Dial & Electronic, Stall, Screwdriver, Hydraulic, Graph (for visual analysis of torque profiles) and Pulse (which uses a mathematical algorithm to accurately determine the output torque from Impulse tools)
- T-Box XL comes pre-loaded with Tool Templates for the entire Norbar product range of Torque Wrenches, PneuTorques and EvoTorques, enabling the user to simply assign individual tools to perform calibrations to the relevant ISO standard. In addition templates exist for all torque tools covered by ISO 6789:2003 with other templates easily created by the operator
- Tool Calibration features a clear PASS or FAIL indication at the end of all readings
- Display: Torque only, Torque & Angle, Torque & Speed, Torque & Power, Torque & Turns, and Torque & Rate
- Ability to link targets for applications that require tightening in a sequence
- Password protection of all selectable features to virtually eliminate operator induced errors
- The T-Box XL is operational in 12 languages: English, French, German, Italian, Danish, Spanish, Dutch, Finnish, Swedish, Norwegian, Portuguese and Russian

## SOFTWARE

- T-Box XL comes supplied with Norbar's unique TDMS – Torque Data Management System – software, for complete data management and archiving to a PC. Includes seamless data synchronisation
- TDMS enables data to be viewed graphically, in an SPC - Statistical Process Control - format, or as a Calibration Certificate
- The multilingual Calibration Certificate is available in 9 languages: English, Finnish, French, German, Hungarian, Italian, Norwegian, Russian and Spanish
- Multiple custom text fields available to enable tailoring of Calibration Certificates
- Contains a large capacity memory that will enable a user to collect data and store in excess of 100,000 individual test results directly to the instrument and then synchronise to the TDMS software
- Continuous Data logging of Torque or Torque & Angle results for transfer to TDMS
- TDMS is remotely updateable; the end-user can update the software by downloading an upgrade direct from the Norbar website