OPERATOR'S MANUAL

Norbar Torque Tools

PROFESSIONAL TORQUE TESTER
PRO-TEST 60, 400 & 1500 SERIES 3

Part Number 34531 | Issue 1 | Original Instructions (English)

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INTRODUCTION

The Professional Torque Tester (Pro-Test) has been designed as an accurate, cost effective and easy to operate instrument for calibrating and testing all types of torque wrenches.

Part Numbers Covered by This Manual

Part Number	Model	Torque Range
43568	Pro-Test 60 Series 3 Transducer and Display	1.2 - 60 N·m
43569	Pro-Test 400 Series 3 Transducer and Display	8 – 400 N·m
43570	Pro-Test 1500 Series 3 Transducer and Display	30 – 1500 N·m

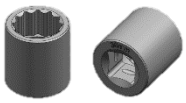
Important Safety Instructions

- This product is intended to measure torque
- Read this manual completely before use
- Read manual with mains power supply
- Periodic recalibration is necessary to maintain accuracy
- Be sure all components, including all adaptors, extensions, drivers and sockets are rated to match or exceed torque being applied
- Observe all equipment, system and manufacturer's warnings, cautions and procedures when using this product
- Do not position the equipment so that it is difficult to operate the disconnecting device (plug).
- Use correct size socket
- Do not use sockets showing wear or cracks
- Check that tester capacity matches or exceeds each application before proceeding
- Verify calibration if dropped
- Verify calibration if you know or suspect its capacity has been exceeded
- Store in a dry place
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired
- Disclaimer: Operation of product is not warranted in an EU member state if Operator’s Manual are not in that State’s language. Contact the tool supplier if a translation is needed

Parts Included

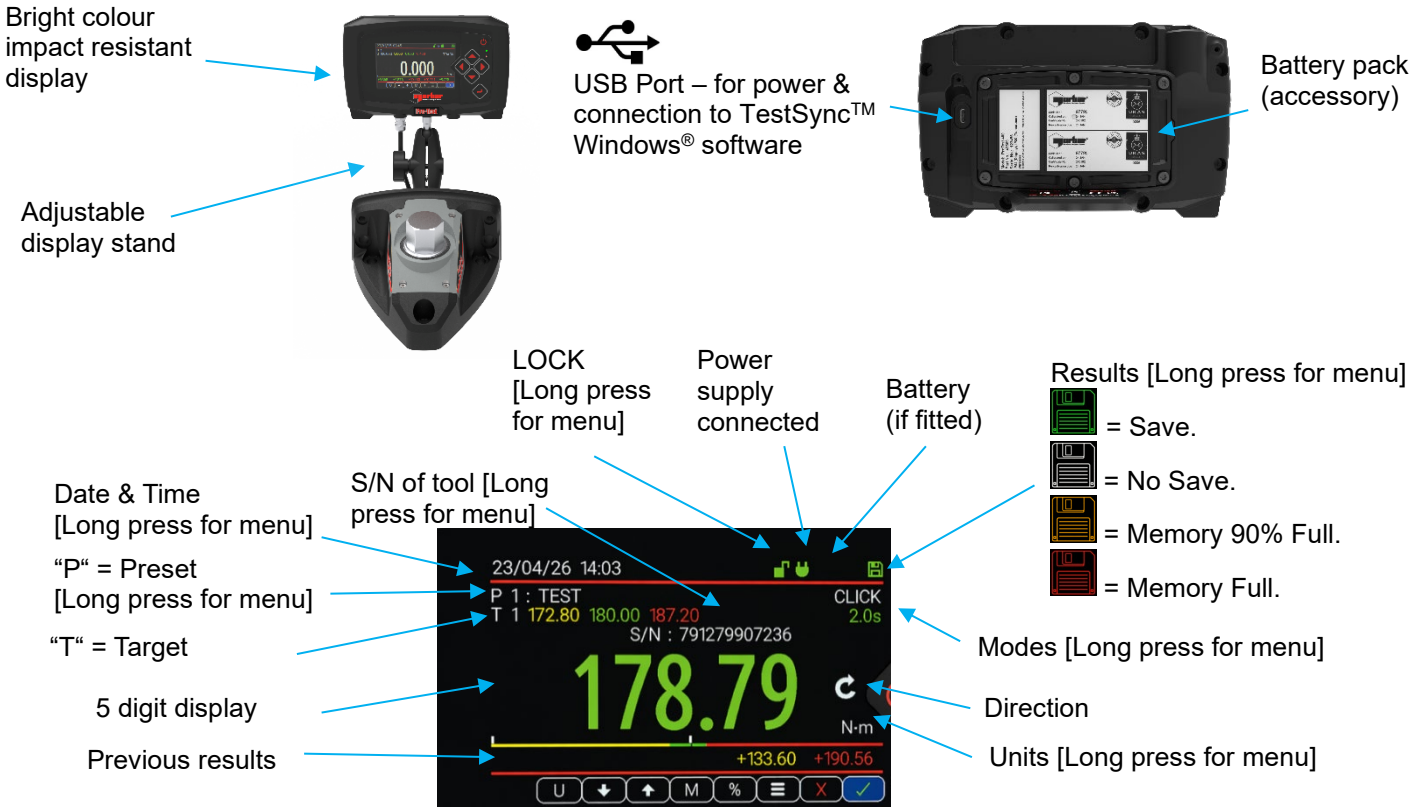
Pro-Test Instrument	Image	Part Number	Pro-Test 60	Pro-Test 400	Pro-Test 1500
Power Supply		391172	✓	✓	✓
Cable USB-A to USB-C		391183	✓	✓	✓
Screw M12 x 80mm Long (x3)		25356.80	✓	✓	✓
Quick Reference Guide		34532	✓	✓	✓
Operators Manual		34531	norbar.com	norbar.com	norbar.com
Calibration Certificate			✓	✓	✓
Socket 1/4" to 10mm		29034	✓		
Socket 3/8” to 10mm		29067	✓		
Socket 1/2" to 10mm		29120	✓		
Socket 3/8” to 22mm		29079		✓	
Socket 1/2" to 22mm		29134		✓	
Socket 3/4" to 22mm		29189		✓	
Socket 3/4" to 36mm		29179			✓
Carry Case		266225	✓	✓	✓

Accessories

Part Number	Image	Description
29083		3⁄8" x 36 mm Socket
29143		1⁄2" x 36 mm Socket
29190		1" x 36 mm Socket
391161		Battery pack

FEATURES AND FUNCTIONS

- 3 sizes available covering the calibration ranges of: 1.2 to 60 N·m / 8 to 400 N·m / 30 to 1500 N·m.
- 150 PRESETS for storing targets. Each PRESET can store up to 5 targets, each with 10 results.
- 2000 result storage, each with time & date.
- TestSync™ Windows® computer software to view results and create certificates.



Key	Short Press	Long Press
	SLEEP (Green LED blinks)	OFF
	Navigate	Return to previous menu or fast navigate
U	UNITS select	UNITS menu (Enable / disable units)
↓ ↑	PRESET select	PRESET menu (USE / EDIT / DELETE / DEL ALL)
M	MODE select	MODE menu (Target, L Limit, U Limit, AF, SENS, FILTER, RST TIME)
%	TARGET select	
≡	MENU	
0	ZERO display	

START UP

NOTE: **If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.**

1. Mounting

Securely mount the Pro-Test transducer on a suitable wall or bench. Use fixing bolts supplied.

IMPORTANT: **ENSURE THE FULL TRANSDUCER BASE IS IN CONTACT WITH THE SUPPORTING SURFACE.**

Pro-Test Capacity	Recommended Bolt	Fixing Bolt Torque (N·m)	
		Transducer horizontal 2 bolt (150mm spacing)	Transducer vertical 3 bolt (Ø150mm PCD)
60 N·m	M12x80	60 N·m	60 N·m
400 N·m	M12x80	60 N·m	60 N·m
1500 N·m	M12x80	60 N·m	85 N·m

2. Adjusting Display Position

The display mount can fix into multiple locations on the transducer.
Use 6 mm hexagon key (not supplied) to undo mount and place in required location.
Tighten by hand (maximum 18 N·m).

Adjust display tilt.
Loosen finger screw. Adjust display. Tighten finger screw.

3. Connecting Power

Power Options			
Mains Power Supply (included)	**Computer (not included)**	**Battery (accessory)**	**USB Battery Power Pack (not included)**
Follow power supply instructions. Fit plug head (US, UK, EU & AU) Connect to wall socket	Battery life (hours) will depend on capacity of computer battery		Follow instructions provided with USB battery power pack. Battery life (hours) will depend on capacity of power pack

Connect chosen power option to the USB port marked using USB cable provided.

QUICK USE

WARNING: ALLOW PRO-TEST TO EQUALISE TO THE AMBIENT TEMPERATURE / HUMIDITY BEFORE SWITCHING ON. WIPE OFF ANY MOISTURE BEFORE USE.

1. Turn On. Press .

Allow 5 minutes for the instrument to warm up and stabilise.

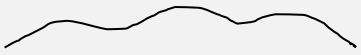
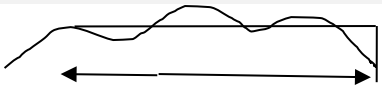
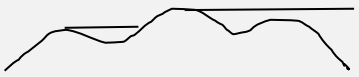
2. Zero. Ensure transducer is unloaded so zero is correctly set. Press 0 to zero.

TIP: For best accuracy exercise the transducer in the direction of use before pressing zero.

3. Select Units. Short press U to select.

TIP: Only enabled units are shown.

4. Select Mode. Short press M to select.

Button	Use	How it Works	Visual Representation
TRACK	View live torque	Follows signal.	
CLICK	To measure click or cam type tools.	Captures the FIRST PEAK of torque. Display held for RESET TIME (RST TIME), set 0 for manual reset.	 RESET TIME
DIAL	To measure dial, electronic or bending beam type tools.	Hold highest signal. Display held for RESET TIME (RST TIME), set 0 for manual reset.	

TIP: If CLICK mode is inconsistent, reduce SENS (SENSITIVITY), see MODE menu.

5. Set a target (if required). Long press M for **MODE** menu. Select **TARGET**. Enter target value.

6. Fit tool. Use adapter as required.

7. Operate Tool to be Calibrated/Tested

Apply force to tool smoothly (do not snatch). Follow instructions for torque tool being tested.
Press to accept. Press to reject.

8. Turn Off. Long press .

SET UP MENU

Use touch screen or keypad to navigate. Use to exit & to accept.

Press for the menu. Enter Supervisor Password if required.

RESULTS	**VIEW:** results 1 – 2000 **SAVE:** OFF / ON **DEL ALL:** NO / YES (Delete all results) **DEL L5:** NO / YES (Delete last 5 results)
PRESET	On first use PRESET 1 is set with a target. Change PRESET 1 target or add another PRESET (2 – 150) as required. 🔍 = Search "NAME" to find a preset. S/N = Serial Number. Enter S/N of tool under test to save S/N against future results. ⇩ = Select lower preset. ⇧ = Select higher preset. **PRESET** **USE:** Use preset to take results. **EDIT:** Select preset **TYPE** (BASIC / ISO / CUSTOM). **DELETE:** Delete a preset. **DEL ALL:** Delete all presets. For further details see **ADVANCED USE** section.
PASSWORD	**PASSWORD** 00000 – 99999. If not set, user can access all features. If set user can only use PRESETS and take results. Only the supervisor (with password) can use all features. Turn off or use sleep feature to activate the lock. To remove supervisor set PASSWORD to 0 [00000]. **IMPORTANT: NOTE THE PASSWORD IF SET & INFORM OTHER SUPERVISORS.**
USERS	Select a blank space. **EDIT**: Enter NAME & USER PASSWORD. **DELETE**
POWER	**SLEEP:** 300 seconds (20 to 36000). Time before product goes to sleep. **SHIP:** ✓ Power from battery (if fitted) & select to disconnect. Power from USB to reset.
COMMS	**OFF:** No communications. **TCS:** Communications to TestSync™ software. **CSV:** Comma separated values (CSV) data output.
INFO	INFO 1: Product information. INFO 2: Link to manual
CALIBRATION	INTERVAL: 12 (0 – 36) Months. CALIBRATION: Factory use only.
EVENTS	**VIEW:** List of Errors, Calibration, over 100%, over 120%, use of delete all, etc. **STATS:** CW (Clockwise) & CCW (Counter Clockwise) use. Above 100%. Above 120%. **DEL ALL:** Delete all events.
FAULTS	List of faults.
LANGUAGE	**EN** (English) / **FR** (French / Français), **DE** (German / Deutsch), **IT** (Italian / Italiano), **DA** (Danish / Dansk), **ES** (Spanish / Español), **FI** (Finnish / Suomi), **SV** (Swedish Svenska), **NO** (Norwegian / Norsk), **PT** (Portuguese / Português), **PL** (Polish/Polski) & **NL** (Netherlands / Nederland) [Language].
TIME	**SET TIME:** Enter "hh:mm:ss" **SET DATE:** Enter "YY/MM/DD" **FORMAT:** Choose DDMMYY / MMDDYY / YYMMDD
LCD	**LIGHT:** 10 (1 [dark] to 25 [bright]). **TOUCH:** 7 (1 [UNSENSITIVE] to 9 [SENSITIVE]. 0=OFF).
BEEP	**KEY BEEP:** ON (OFF / ON) **RES BEEP:** ON (OFF / ON) [Reset beep]

Mode menu: Long press M to select.

Menu	Description
TARGET	**TARGET**: (2% to 100% of tester capacity)
L LIMIT	**LOWER LIMIT:** 4% (1%-10% of target)
U LIMIT	**UPPER LIMIT:** 4% (1%-10% of target)
AF	**ACTIVE FROM**: 1.55% (1.55% - 99%)
SENS	**SENSITIVITY**: MED (LOW [10%], MED [5%], HIGH [2.5%]). The % by which the reading must fall below the peak to register as a CLICK.
RST TIME	**RESET TIME**: 3 seconds (0 – 30). 0=No reset.

UNITS menu: Long press on U to select.

Menu	Description
N·m	**N·m** = Enable / N·m = disable.
dN·m	**dN·m** = Enable / dN·m = disable.
cN·m	**cN·m** = Enable / cN·m = disable.
lbf·ft	**lbf·ft** = Enable / lbf·ft = disable.
lbf·in	**lbf·in** = Enable / lbf·in = disable.
ozf·in	**ozf·in** = Enable / ozf·in = disable.
ft·lb	**ft·lb** = Enable / ft·lb = disable.
in·lb	**in·lb** = Enable / in·lb = disable.
in·oz	**in·oz** = Enable / in·oz = disable.
kgf·m	**kgf·m** = Enable / kgf·m = disable.
kgf·cm	**kgf·cm** = Enable / kgf·cm = disable.
gf·m	**gf·m** = Enable / gf·m = disable.
gf·cm	**gf·cm** = Enable / gf·cm = disable.

ADVANCED USE

1. Presets

Press for the menu. Select **PRESET**.

On first use PRESET 1 is set with a target.
Change PRESET 1 target or add another PRESET (2 – 150) as required.
🔍 = Search "NAME" to find a preset.
S/N = Serial Number. Enter S/N of tool under test to save S/N against future results.
⇩ = Select lower preset.
⇧ = Select higher preset.

PRESET
USE: Use preset to take results.
EDIT: Select preset **TYPE** (BASIC / ISO / CUSTOM).
DELETE: Delete a preset.
DEL ALL: Delete all presets.

BASIC: (1 target)
NAME
MODE
UNITS
TARGET: (2% to 100% of tester capacity)
SAVE

ISO: (Follows ISO 6789-1:2017 for "Type II Class A" for 3 targets & 5 readings)
NAME
MODE
UNITS
TOOL CAPACITY: (2% to 100% of tester capacity)
LOWER LIMIT: 4% or 6% (1%-10% of target)
UPPER LIMIT: 4% or 6% (1%-10% of target)
TARGET 1: (Default 20% of tool capacity)
TARGET 2: (Default 60% of tool capacity)
TARGET 3: (Default 100% of tool capacity)
AUTO STEP: OFF / ON
SAVE

CUSTOM: (Variable limits, number of targets & number of readings)
NAME
MODE
UNITS
TOOL CAPACITY: (2% to 100% of tester capacity)
LOWER LIMIT: 4% or 6% (1%-10% of target)
UPPER LIMIT: 4% or 6% (1%-10% of target)
NUMBER OF TARGETS: 3 (1-5). Number of different targets.
NUMBER OF READINGS: 5 (1-10). Number of readings at each target.
TARGET 1: (2-100% of tester capacity) [**TARGET 2**, **TARGET 3, TARGET 4 & TARGET 5**]
AUTO STEP: OFF / ON
SAVE

NOTE: The LOWER LIMIT & UPPER LIMIT are automatically set to 4% or 6%. This follows ISO 6789-1:2017 for Type II Class A tools where if TOOL CAPACITY ≤10 N·m then LOWER LIMIT & UPPER LIMIT = 6% & if TOOL CAPACITY >10 N·m then the LOWER LIMIT & UPPER LIMIT = 4%.

2. Users

The USERS feature gives traceability to results.

To access the USERS menu:

Press and select USERS.
A default “ALL” is for results without user traceability.
Select a location (up to 13 are available)
Select **EDIT**.
Enter **NAME** (only 2 -6 characters, so initials or employee number may be more appropriate)
Enter **USER PASSWORD**. (00000-99999. A value of 0 [00000] is no password)

Once USER created, selection is made when turned on.

Enter a password if necessary.
All results will have traceability to the user.

USER feature	User Password	User password entry required?	Results have user reference?
USER not entered (default “ALL”)	N/A	No	No
USER entered	0	No	Yes
	00001 - 99999	Yes	Yes

NOTE: If the supervisor password is set, Users can only be added or deleted by the Supervisor.

To log off the USER – On home screen short press on the User Name (“U:NAME”) or Turn off.

3. Creating a PRESET for a single TARGET

Step	Action
1	Press the “P” area on the screen to show PRESET menu. A new tool will show PRESET 1. Use ↓ & ↑ to select required PRESET to adjust. Press ✓.
2	Select **EDIT**. In **TYPE** menu select **BASIC**. Enter name of preset. Enter mode for tool. Select units. Enter target. Select **SAVE**.
3	The last 5 results are shown on the display.
4	Press 💾 to see RESULTS menu. Press VIEW to see results

4. Creating a PRESET for multiple TARGETS

Different world torque tool testing standards encompass various specifications for number of targets, readings, limits, etc.
Follow **ISO** preset for ISO 6789-1:2017 for Setting torque tools Type II Class A.
Follow **CUSTOM** preset for other Types & Classes of ISO 6789-1:2017 as well as other world standards.

Step	Action	
1	Press the “P” area on the screen to show PRESET menu. A new tool will show PRESET 1. Use ↓ & ↑ to select required PRESET to adjust. Press ✓.	
2	Select **EDIT**. In **TYPE** menu select **ISO** or **CUSTOM**. If following the ISO 6789:2017 for that type & class select **ISO**, else select **CUSTOM**	
3	**ISO**: (Follows ISO 6789-1:2017 for tools Type II class A)	**CUSTOM**: (Variable limits, targets & readings)
4	Enter **NAME**, **MODE**, **UNITS, TOOL CAPACITY, LOWER LIMIT** & **UPPER LIMIT**	
5	Enter: **TARGET 1**: (Default 20% of tool capacity) **TARGET 2**: (Default 60% of tool capacity) **TARGET 3**: (Default 100% of tool capacity)	Enter: **NUMBER OF TARGETS**: 3 (1-5) **NUMBER OF READINGS**: 5 (1-10) **TARGET** 1, 2 ,3, 4 & 5.
6	Enter: **AUTO STEP** & **SAVE**	
7	Zero transducer.	
8	Take results A LOW result is shown in yellow: A PASS result is shown in green: A HIGH result is shown in red: If manual reset press ✓ to accept. Press ✗ reject. If auto reset next reading can be taken If AUTO STEP OFF press % to step between targets If AUTO STEP ON the next target will be automatically selected until “TEST COMPLETE” occurs.	
9	Select 💾 to view stored results. The TCS (TestSync™) option allows live & stored results to go to a computer. The CSV options only allows live results to go to a computer.	

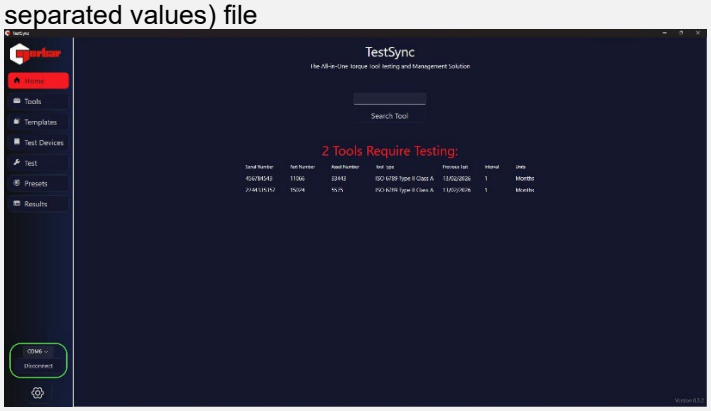
USB DATA OUTPUT

The Pro-Test can output data to a computer from the USB-C connector

Pro-Test	USB Cable (included)	Computer or Tablet (not included)

Connect the Pro-Test to a computer using the USB cable.
The Pro-Test is being powered from the computer. It is recommended the computer is powered from mains or a fully charged battery.

For comms menu, press then select **COMMS.**

COMMS option	Action	Details
OFF	No communications	
TCS	Communications to TestSync™ software.	Connection to TestSync™ Windows® computer software for: • Torque tool testing • Preset management with tool templates. • Result storage • Certificate generation. • Downloaded results can be exported to a CSV (comma separated values) file  Download from the Norbar website: https://www.norbar.com/uk_en/downloads
CSV	Communications using CSV (comma separated values) data output.	CSV output is a versatile way to get live data out for use by various industrial users. A typical output stream would be: “OK,+99.95,N.m[carriage return][line feed]” The CSV data can be collected by Terminal programme (Tera Term, PuTTY, etc) then imported into computer software (Windows® Excel® or custom user software)

MAINTENANCE

The user maintenance is limited to that stipulated in this section. Any other repairs should be carried out by the manufacturer or approved distributor. Maintenance intervals will depend on the usage and the environment in which it is being used.

Shipping

If shipping product for maintenance (recalibration, repair, etc), ensure all transportation rules are met. Consult manufacturer or approved distributor for advice on transportation, particularly concerning the optional 7.2V lithium-ion battery pack.
If required remove the optional 7.2V lithium-ion battery pack, see “Battery Maintenance” below, to simplify transportation.
For shipping with the 7.2V lithium-ion battery pack fitted, complete the following:
1. Ensure the battery is BELOW 30% state of charge.
2. With the product on battery, select “ship mode” (follow MENU / POWER / SHIP). The product will disconnect the battery ready for shipping.

WARNING: NEVER SHIP A PRODUCT WITH A SUSPECTED FAULTY BATTERY.

Recalibration

To maintain accuracy, it is recommended that the product is recalibrated. The maximum recommended recalibration interval is 12 months. Recalibration should be carried out by the manufacturer or approved distributor, where all the facilities to ensure the product is functioning at maximum accuracy are available. Do not remove casing; there are no calibration settings inside.

Software Update

Refer to the manufacturer for software update.

Cleaning

Ensure product is clean - DO NOT use abrasives or solvent-based cleaners.

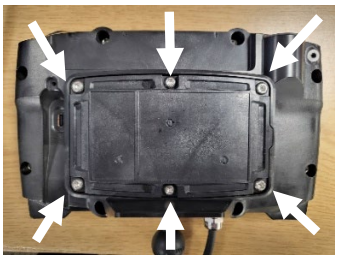
Battery Maintenance

This section covers battery removal and fitting.

TIP: To reduce risk of product damage, use an ESD (electrostatic discharge) safe workstation.

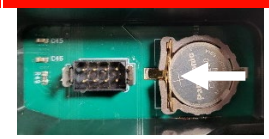
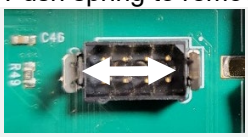
To remove battery cover:

1. Use T20 Torx screwdriver to remove 6 screws



2. Lift battery cover

1 or 2 batteries may be fitted:

Description	Use	Reason for Replacement	How to remove battery	Battery Markings	Part Number
Coin cell 3V lithium (fitted as standard)	Time & Date	Time & Date fail	 Note battery polarity. Push spring to remove.	3V CR1220	-
Battery pack Lithium-ion 7.2V 4.9Ah (accessory)	Powers Pro-Test	Pro-Test has short battery life	 Open connector to remove.		391161

IMPORTANT: **BATTERIES CONTAIN SUBSTANCES THAT CAN HAVE A NEGATIVE EFFECT ON THE ENVIRONMENT AND HUMAN HEALTH. ALL BATTERIES MUST BE DISPOSED OF AT A LOCAL WASTE BATTERY COLLECTION POINT.**

Product Disposal

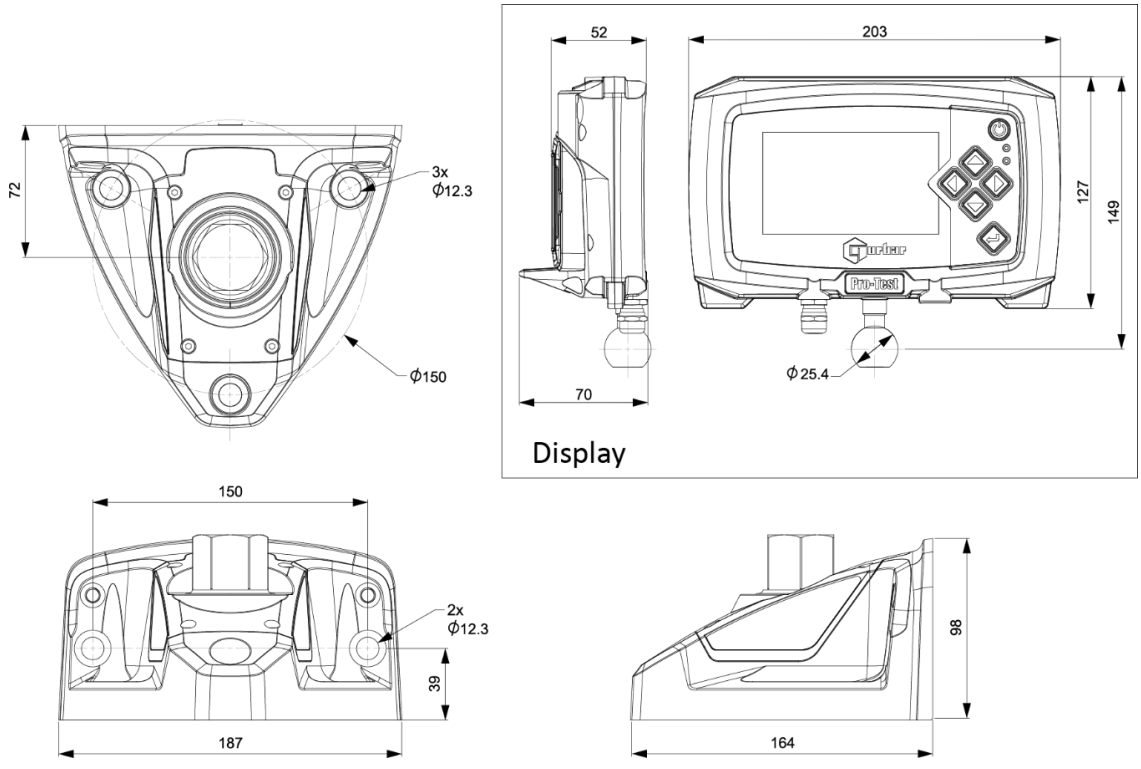
This symbol on the product indicates that it must not be disposed of in the general waste.
Please dispose of according to your local recycling laws and regulations.
Contact your distributor or see the Norbar web site (www.norbar.com) for further recycling information.

SPECIFICATIONS

Accuracy:	See calibration certificate.	
Torque units:	N·m, dN·m, cN·m, kgf·m, kgf·cm, gf·m, gf·cm, lbf·ft, lbf·in, ft·lb, in·lb, ozf·in & in·oz.	
Torque conversions:	To 'BS 350:2004 Conversion factors for units'.	
Torque reading resolution:	5 Active Digits.	
Calibration range:	2–100% of tester capacity:	Pro-Test 60 = 1.2 to 60 N·m. Pro-Test 400 = 8 to 400 N·m. Pro-Test 1500 = 30 to 1500 N·m.

Frequency Response:	8th Order Butterworth low pass filter with a -3dB point at 500 Hz.
Displayable over range:	120% of tester capacity.
Absolute maximum torsion:	150% of tester capacity.
Memory size:	2000 results.
AC Power Adapter:	Input 90 to 264 Volts AC at 47 – 63 Hz Interchangeable mains connectors included (US - United States, UK - United Kingdom, EU - Europe & AU - Australia) Output 5.0V, 2.4A (12.0W) USB-A connector. Energy Efficiency US Department of Energy (DOE) Level VI European Union Code of Conduct (CoC) Version 5 Overload and short-circuit proof.
Battery charge time (if fitted):	4 to 7 hours with supplied power supply. At high ambient temperature charging may be slower.
USB Power/Data Cable:	USB-A to USB-C. 2 metres (6 ft 6 ins) long, screened.
Connector:	USB-C.
Environment:	Indoor use within a light industrial environment.
Operating Temperature Range:	-10ºC - +50ºC.
Storage Temperature Range:	-20ºC - +70ºC.
Maximum Operating Humidity:	80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C.
Transient Overvoltage:	Up to the levels of OVERVOLTAGE CATEGORY II.
Intended environment:	Pollution Degree 2.
EMC	Designed to IEC 61326:2021 Class B. Connecting this instrument to another device may generate additional EMC emissions.
Display:	High resolution colour display with touch screen. Impact resistant to IK08.
Materials:	Display front & Transducer housing = Aluminium. Display rear = PA66+33GF. Transducer shaft = Stainless steel
Weight: (Transducer with display)	Pro-Test 60 = 3.2 kg Pro-Test 400 = 3.3 kg Pro-Test 1500 = 3.9 kg

NOTE: Due to continuous improvement all specifications are subject to change without prior notice.



Dimensions shown in mm

TROUBLESHOOTING

The following is only a guide, for more complex fault diagnoses please contact the manufacturer or approved distributor.

Problem	Likely Reason	Likely Solution
No display	No power	Check for mains power Change to another USB power supply If battery powered, ensure battery is charged
	Cable issue	Check USB cable in good condition and connected Exchange for a known good cable
Cannot zero	Wrench resting on transducer Transducer over strained	Remove wrench Recalibrate or replace transducer
Results unstable	Transducer cable damage	Inspect cables
RED panel LED flashing & battery symbol red.	Battery (option) low	Charge battery
Mode triggers too early	Tool or operator issue	AF (Active From) set higher to stop mode working at low values
Auto reset triggers early	Auto reset is too sensitive	Long press for **MODE** menu Select **SENS** for sensitivity. Select MED or LOW
Results are not saved.	SAVE feature is OFF	Long press to see **RESULTS** menu Select **SAVE** and set ON
No data output	**COMMS** option set to **OFF**	Set **COMMS** to **TCS** or **CSV**
The target needs different lower & upper limits.	Set in mode menu	Long press for **MODE** menu. Select **L LIMIT** for **LOWER LIMIT** then adjust. Select **H LIMIT** and **UPPER LIMIT** then adjust
Too many units available	Turn off unwanted units	Long press to show UNITS menu. Tap on unwanted units to disable (become grey).
Tool identification required against results	Use serial number (S/N) feature	Press S/N on screen to show SERIAL screen. Enter tool serial number or asset identification
User identification required against results	Set **USERS**	Long press to show **MODE** menu. Select USERS. Select a location. Select **EDIT**
Display resets automatically	Change automatic reset to manual reset	Long press to show **MODE** menu. Select **RST TIME**. Set 0 for manual reset
User has accidentally changed a setting	Implement supervisor password	Long press to show **MENU**. Select **PASSWORD**. Set **NEW PASSWORD**
Tool locked	Lost supervisor password	Contact Norbar
Tool will not lock	Ensure **PASSWORD** (Password) is not set to 0 [00000]	Set **PASSWORD** then use **SLEEP** feature (Short press) or turn off (Long press)

GLOSSARY OF TERMS

Word or Term	Meaning
AF	Active From. The % of tool capacity that memory modes operate from. Used to ignore false lower peaks.
AUTO STEP	Automatically steps through set points.
CALIBRATION	Calibration
DEL ALL	Delete all.
DEL L5	Delete last 5 results.
EVENTS	Errors, over capacity result, etc.
LANGUAGE	Language
LCD	Liquid Crystal Display
L LIMIT	Lower Limit. Allowable lower % pass from target.
U LIMIT	Upper Limit. Allowable upper % pass from target.
Lock	Password set by supervisor.
NUMBER OF READINGS (R)	Number of recorded measurements at each target torque target in a Preset
NUMBER OF TARGETS	The number of targets in a Preset, from 1 to 5. Adjustable torque wrenches typically have 3 targets at 20%, 60% & 100% of torque tool capacity.
PRESET (P)	Preset (“P” on measurement screen). A collection of targets to aid tool testing
Pro-Test	Professional Torque Tester (Product name).
PASSWORD	Used by supervisor to lock features.
Reading	The values in a Preset.
Result	The value measured.
RST TIME	Reset time. Time result is held on the display. For no reset set to 0 (zero).
SENS	Sensitivity. A setting of LOW (10%), MED (5%) or HIGH (2.5%). The % by which the reading must fall below the peak to register as a CLICK.
SHIP	Feature to disconnect the battery for shipping.
S/N	Serial Number of tool. Results are traceable to that S/N.
STATS	Statistics of the tool
TARGET (T)	The aim of the tool under test.
Tester Capacity	Maximum torque value of Pro-Test transducer.
TestSync™	Name of Windows® computer software
TOOL CAPACITY	Maximum setting of the tool under test.
TYPE	Type of preset (Basic / ISO / Custom)
UNITS	Torque measurement units.
USER (U)	A reference to the user. Results are traceable to that user.
USB	Universal Serial Bus. Industrial standard communications to computer

NORBAR TORQUE TOOLS LTD

Wildmere Road, Banbury,
Oxfordshire, OX16 3JU

UNITED KINGDOM

Tel + 44 (0)1295 270333

Email: enquiry@norbar.com

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