



DATAMYTE™

PRODUCT

LIGHTSTAR™ TORQUE WRENCH

Precise torque measurement for auditing standards

- Equipped with SMARTWRENCH™ TECHNOLOGY for precision auditing
- Patented angle restart algorithm eliminates false readings
- Lightweight, durable construction designed for all manufacturing environments



When quality matters you turn to the industry precision wrench expert that aligns the latest technology with your quality goals to drive profitability to your bottom line. When it's your job to ensure that safety-critical joints are correct, trust only the best to the task – LightStar™ Torque Wrench series.



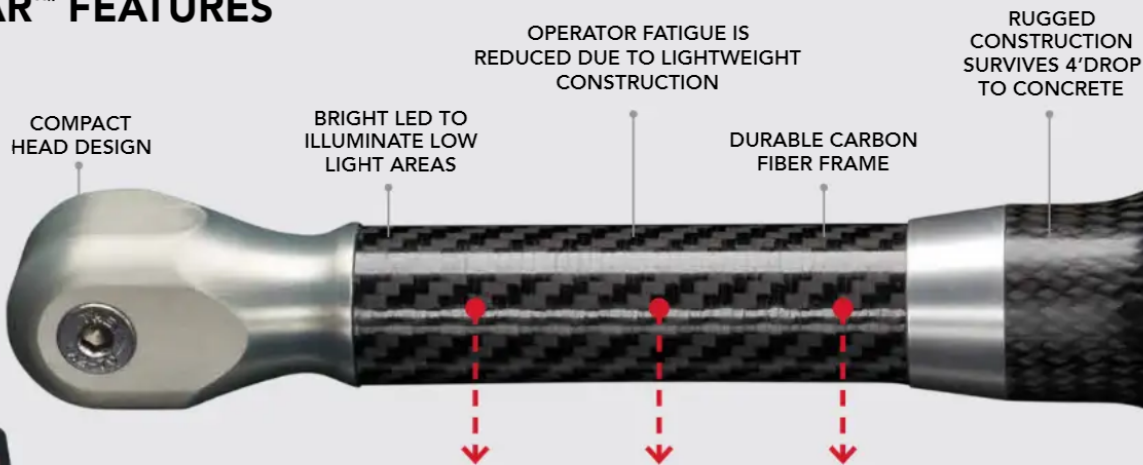
ENSURE THAT YOUR AUDITING IS ACCURATE THE FIRST TIME, EVERY TIME.

The LightStar™ Torque Wrench technology is designed for auditing quality and is positioned inside an entire ecosystem of quality products to meet all your continuous quality improvement needs.

SMARTWRENCH™ TECHNOLOGY

- Patented Angle Restart Algorithm
- Identifies Gage (Tool # or ID)
- Verification of NM size
- Calibration tracking (usage and time)
- Insensitive to Point of Load
- Haptic vibration capability

LIGHTSTAR™ FEATURES



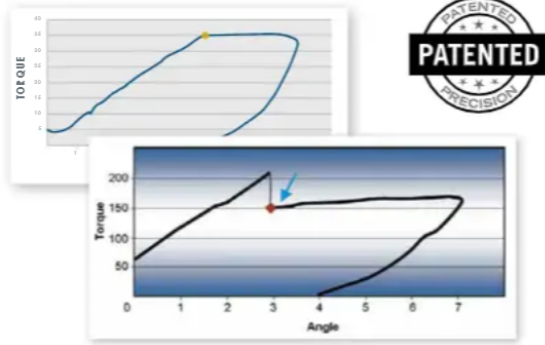
GRAPHICALLY AIDED DATA COLLECTION

REVOLUTION

Provides seamless integration with the LightStar™ Torque Wrench. Graphically aided prompts eliminate wrong fastener measurements. Simply download inspection plans and automate your torque audit process with time-saving graphical workflows and real time alerts to non-conforming events. Data collection will not occur if the incorrect wrench is being used on a specific part.

REPORTING

- Exception Report - identifies missing readings and non conformance.
- Characteristic Review
- SPC (xBar & R/xBar S)



PATENTED ANGLE RESTART ALGORITHM

Provides precision like no one else!

Removes False:

High Readings

due to overshoot or high stiction

AND

Low Readings

due to wrench release before fastener rotation

LIGHTSTAR™ WRENCH MEASUREMENTS

Patented Angle Restart Algorithm – measures torque the instant the fastener starts retightening after overcoming static friction.

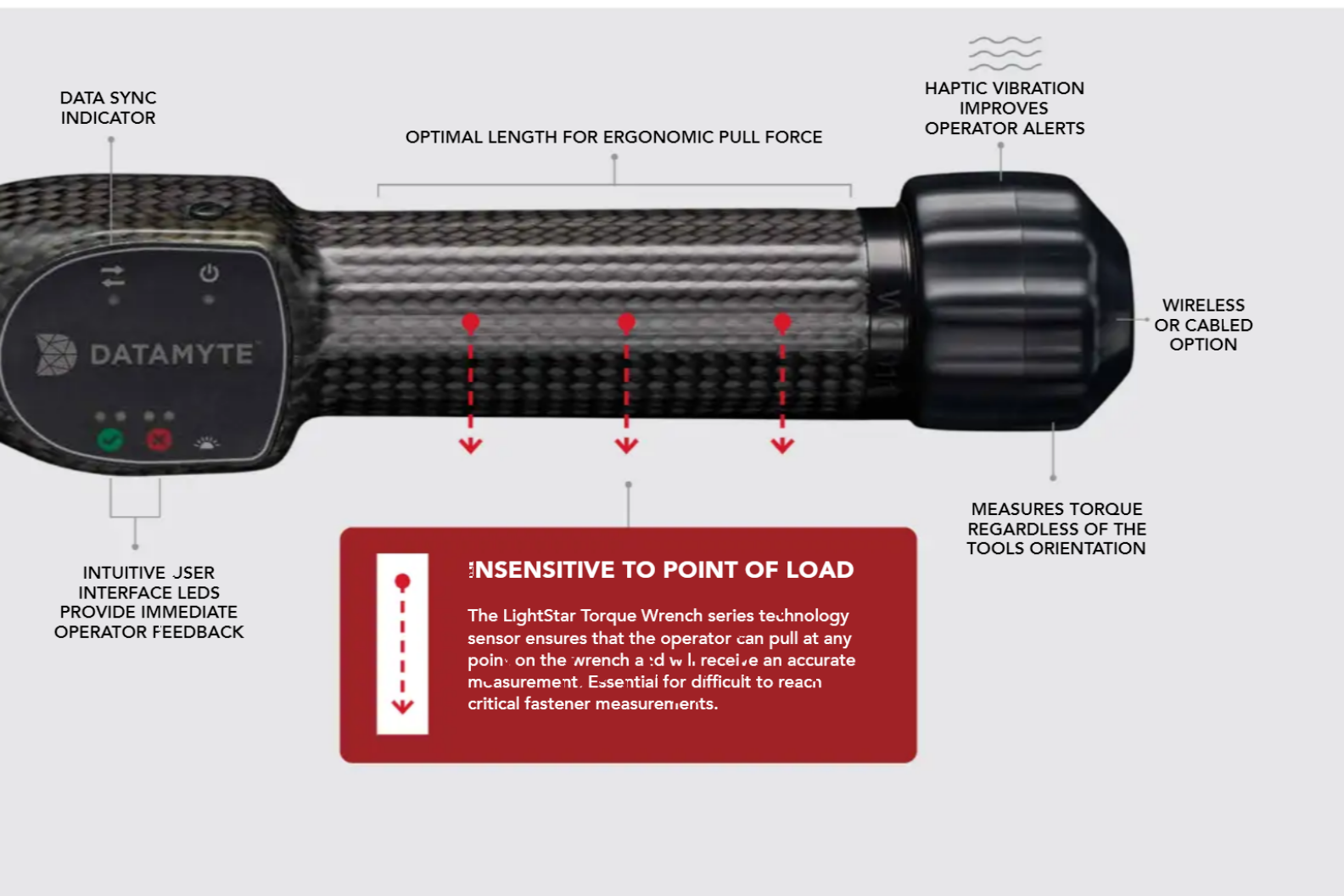
Breakaway (first movement) – first recorded reading is residual torque in the joint.

Loosening Test – Torque applied to loosen the fastener is the recorded reading.

Angle Breakaway – captures the torque needed to set a fastener in motion.

Peak – records the highest torque applied.

Set – assembly applications.



INSENSITIVE TO POINT OF LOAD

The LightStar Torque Wrench series technology sensor ensures that the operator can pull at any point on the wrench and will receive an accurate measurement. Essential for difficult to reach critical fastener measurements.



WRENCH SPECIFICATIONS									New 1200 Nm*	
Drive Size (SQ)	1/4"	1/4"	3/8"	3/8"	1/2"	1/2"	3/4"	3/4"	1"	
Weight USB (No Cable)	N/A	.7 lb (325 g)	.7 lb (325 g)	.8 lb (379 g)	2.0 lb (903 g)	2.2 lb (1011 g)	3.4 lb (1543 g)	3.9 lb (1765 g)	8.0 lb (3631 g)	
Weight Wireless	.8 lb (363 g)	.9 lb (431 g)	.9 lb (430 g)	1.1 lb (484 g)	2.2 lb (1008 g)	2.0 lb (1116 g)	3.0 lb (1360 g)	6.1 lb (2773 g)	9.0 lb (4082 g)	
Head Width	N/A	1.0" (25.4mm)	1.0" (25.4mm)	1.1" (29.1mm)	1.7" (42.7mm)	1.7" (42.7mm)	2.2" (56.0mm)	2.2" (56.0mm)	2.5" (64.0mm)	
Head Height	N/A	.7" (22mm)	.9" (22mm)	.9" (24mm)	1.2" (30.5mm)	1.2" (30.5mm)	1.7" (48mm)	1.7" (48mm)	2.16" (55mm)	
Head Height w/Drive	N/A	1.3" (32mm)	1.4" (36mm)	1.5" (37mm)	2.0" (51mm)	2.0" (51mm)	3.0" (75mm)	3.0" (75mm)	3.35" (85mm)	
Head Length	.38" (10mm)	1.8" (45mm)	1.8" (45mm)	2.1" (53mm)	2.0" (67mm)	2.6" (67mm)	5.8" (147mm)	5.8" (147mm)	6.60" (167mm)	
Overall Width	2.0" (50mm)	2.0" (50mm)	2.0" (50mm)	2.0" (50mm)	2.0" (50mm)	2.0" (50mm)	2.2" (56mm)	2.2" (56mm)	2.5" (64mm)	
Overall Length	10.3" (257mm)	11.3" (286mm)	11.3" (286mm)	15.2" (387mm)	21.3" (540mm)	31.1" (790mm)	40.8" (1037mm)	50.8" (1290mm)	61.75" (1568.5mm)	
Pull Length	N/A	7.0" (178mm)	7.0" (178mm)	11.0" (280mm)	16.7" (425mm)	26.6" (675mm)	36.0" (915mm)	46.0" (1168mm)	56.95" (1446.5mm)	
Min/Max Range	Nm	.5 - 5 Nm	1-10 Nm	2.5-25 Nm	7.5 - 7.5 Nm	15 - 150 Nm	30 -300 Nm	50 -500 Nm	80 - 800 Nm	120-1200 Nm
	ft-lb	.37 - 3.69 ft-lb	.74 - 7.38 ft-lb	1.84 - 18.44 ft-lb	5.53 - 55.32 ft-lb	11.06 - 110.63 ft-lb	22.13 - 221.27 ft-lb	36.88 - 368.78 ft-lb	59.00 - 590.05 ft-lb	88.5 - 885.07 ft-lb

Torque Accuracy: 0.25% FS (Full Scale Range)

*Available only in wireless

LIGHTSTAR TORQUE WRENCHES AND THE COLOR CODING SYSTEM



SIMPLE 1, 2, 3 CUSTOMIZATION

STEP 1 Choose Wireless or Cabled connection to Data Collector
STEP 2 Choose Nm
STEP 3 Call 800-455-4359



2800 Campus Drive, Suite 60, Plymouth, MN 55441
 800-455-4359 | www.datamyte.com | info@datamyte.com
 UEN3210722