



LIGHTSTAR™ TORQUE WRENCH

Precise torque measurement for auditing standards



- RESOLVES** False high or low readings from friction variables
- IMPROVES** Precision auditing on safety-critical joints
- RECORDS** Torque curve data to ensure compliance and traceability
- INTEGRATES** Torque auditing, data collection and analysis
- SAVES TIME** Correct torque analysis and ensured fastener auditing

TORQUE OVERVIEW

Precision Auditing

When it is your job to ensure that safety-critical joints are tightened correctly, trust only the best to get the project done, the LightStar™ Torque Wrench series. The LightStar Torque Wrench is the only one with SMARTWRENCH™ technology. Engineered for precision auditing, SMARTWRENCH™ includes the patented angle restart algorithm that eliminates the majority of false high and low false readings that many times are not detected with other wrenches.

INTEGRATED TECHNOLOGY-AUTOMATED

Implementation without Rigidity

ASI DATAMYTE's LightStar™ Torque Wrench Solution is just one product in an integrated enterprise quality ecosystem that provides continuous quality solutions scalable to your global manufacturing needs. A customized quality solution, can be fully integrated throughout design, process and manufacturing or as an individual standalone product solution for a specific area.



SMARTWRENCH™ TECHNOLOGY

- Patented Angle Restart Algorithm
- Identifies Gage (Tool # or ID)
- Verification of proper wrench size
- Calibration tracking (usage and time)
- Insensitive to Point of Load
- Selectable Engineering Unit

FEATURES / BENEFITS

- **Patented Angle Restart Algorithm** – Eliminates a number of residual torque measurement errors associated with peak measurement (false high and low readings)
- **Identifies gage tool number or ID** – Traceability of specific gage used to acquire measurement.
- **Verifies Nm wrench size** – Ensures proper wrench size is used to acquire measurement.
- **Provides calibration tracking** – Automatic tracking of usage cycles and days since last calibration.
- **Insensitive to point of load** – Accurate measurement by pulling at any point on the wrench. Retain accuracy even on difficult to reach critical fastener measurements.
- **Data sync indicator** – Clear indicator of automatic integration with data collector.
- **Rugged and lightweight** – Withstands 4 foot drop to concrete. Carbon fiber lightweight construction greatly reduces operator fatigue.
- **Bright LED work light** – Equipped with white LED light for low light/no light applications
- **Insensitive to orientation** – Ensures correct readings even in difficult or hard to reach places. Simply pull anywhere on the wrench and receive an accurate result.
- **Optimized length** – Length optimized for greater accessibility into compact or restricted clearance areas.
- **Instant notification of in/out of spec** – Clear LED notification of issues for immediate action.
- Available in wireless or digital cable version.

GRAPHICALLY AIDED DATA COLLECTION

Manage Data Collection with Ease

600 Data Collector provides seamless integration with the LightStar™ Torque Wrench. Graphically aided prompts eliminate wrong fastener measurements. Simply download inspection plans from QDA software suite with graphic content and workflow. Data collection will not occur if the incorrect wrench is being used on a specific part.

- ✓ Exception Report – identifies missing readings and non conformance.
- ✓ Characteristic Review
- ✓ SPC (xBar & R/xBar S)
- ✓ Histograms
- ✓ Control Charts
- ✓ Torque Curve Recording - configurable
- ✓ Torque Wrench Testing capability
- ✓ Detailed Status Reporting



ASIDATAMYTE

THE GLOBAL STANDARD FOR ENTERPRISE QUALITY SOLUTIONS

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