



# DATAMYTE™

EXPERTS IN THE  
CONNECTED FACTORY

## DATAMYTE™ REVOLUTION

Portable Data Intelligence Device for measurement applications

- Universal connectivity to 1000s of gage types and brands
- Rugged, durable construction
- Near real-time event communication with alerts, notifications and escalations
- Integration with digital workflow data collection software

The New  
Generation of  
Portable  
Data Collection



# THE NEW GENERATION OF PORTABLE DATA COLLECTION

## DataMyte™ Revolution

This versatile, rugged Data Intelligence Device effectively manages workflow, triggers alerts with non-conformances, saves time, and improves overall data integrity.

Connect to  
1000s of  
Gages!

WIRED OR  
WIRELESS  
GAGE OPTION



Optional  
feature!

HIGH-RESOLUTION LCD  
COLOR DISPLAY

Now with  
TOUCH  
SCREEN!

HANDSFREE OPERATION WITH  
WEARABLE BELT CLIP OR SHOULDER STRAP;  
ONE-HANDED WITH HAND STRAP

LIGHTWEIGHT



CLEAR IN & OUT OF SPEC  
RED & GREEN LED LIGHTS

OPERATES WITH  
OR INDEPENDENT  
OF NETWORK

RESISTANT TO  
OIL, WATER, CUTTING  
FLUIDS, AND DUST

THE MOST DURABLE  
DATA INTELLIGENCE DEVICE  
ON THE MARKET

WIFI ENABLED OPTION



DOWNLOAD INSPECTION PLANS

UPLOAD COLLECTED DATA



INTUITIVE  
IMAGE ZOOM,  
PAN, ROTATE

HIGH-  
DEFINITION  
CAMERA

ERGONOMICALLY  
DESIGNED FOR  
RIGHT OR LEFT  
HAND USE

TACTILE  
VIBRATION  
CAPABILITY

CHANGE BATTERY  
<60 SECONDS

\*NO TOOLS NEEDED

\*NO LOSS OF DATA

\*NO LOSS OF INSPECTION  
SEQUENCE



CONFIGURABLE  
AUTOMATIC DATA UPLOAD  
TO DATABASE



**Connect Your Way**

## IOT READY UNIVERSAL TECHNOLOGY

When you need to ensure that critical measurements are taken and the data is captured, trust only the most versatile, rugged Data Intelligence Device for robust connectivity – the DataMyte™ Revolution with IOT READY technology.

### APPLICATIONS

- Residual Torque Audit
- Digital and Analog Gaging
- LMI Applications
- Gap & Flush
- Other Variable Data
- Digital Checklists
- Escalations

### HIGHLY COMPATIBLE GAGE & TORQUE INTERFACES

The one tool for all your data collection needs with hundreds of built-in gage and sensor interfaces.

### COMPLEX AUDITS MADE SIMPLE

The DataMyte™ Revolution IOT READY technology clarifies complex auditing routines and reduces operator uncertainty and guesswork.

### GUARANTEED DATA ASSURANCE

Built-in data redundancy processes ensure data capture and complete data transfer to software systems. You will never have stranded or corrupt data.

### TIME STAMPED & OPERATOR ID

Instant traceability of each measurement back to a specific time, shift, gage and operator. Barcode option allows for operator badge and sequence number scan.

### GAGE IDENTIFICATION

Gage names and serial numbers are clearly stated on the device to eliminate the possibility of mistaken gage selection. In addition, data collection will not occur when using a LightStar™ wrench if incorrect wrench is being used on the wrong part.

### BARCODE EASE

Improve the accuracy and speed of data collection with the built in barcode functionality. Capture a VIN number through the windshield, scan an operator badge, record a sequence number and much more with a quick click of a button.

### CLEAR VISUAL AUDIT AIDS

Intuitive UI, touch screen, enhanced search capability, step by step directions and illustrations reduce the time required to perform audits, collect data and train new employees.

### AUTOMATED ERROR PROOFING

Designed to remove operator and system failures:

- Removes the occurrence of using the wrong gage or measuring the incorrect part
- Unlimited characteristic descriptors so operators have the information needed to measure the right dimension with the correct tool.
- Data is never lost due to network downtime since collector works with or independent of network.
- Clear 'in' and 'out' of spec LED lights and sound alerts.
- Tactile feedback vibration and audio feedback signal when a reading is out of specification.

### GRAPHICALLY AIDED ROUTES

Clear prompts ensure operators capture data from correct part, gage and dimension everytime.



Universal connectivity to 1000s of digital and hard-wired gages



Seamless Bluetooth communication with DataMyte Lightstar™ Torque Wrenches



Automatically detect, display serial number, and use correct gage as characteristic's data source



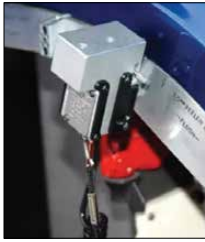


## COLLECT

### UNIVERSAL CONNECTIVITY



Digital & Analog Gages



Gap & Flush



Seal Gap



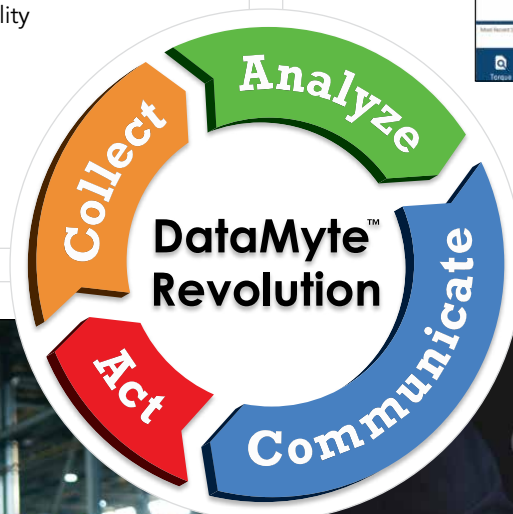
Residual Torque



Checklist

Our robust connectivity enables the ability to collect data from a wide selection of gages across various applications.

All data collected goes into a central database, and from here you can ANALYZE, COMMUNICATE, and ACT on this data.



- Near real-time alerts enable a process for assigning cause & corrective actions
- Enhanced reporting options highlight key performance areas that require correction
- System provides feedback and visibility to make necessary changes and also hold personnel accountable
- This shifts the responsibility of managing quality from an individual to a team based approach
- The COLLECT, ANALYZE, COMMUNICATE and ACT process supports a proactive environment for corrective action measures and closed-loop quality process improvement

## ACT

## ANALYZE

### REPORTING

- Exception Report – identifies missing readings and non conformance.
- Characteristic Review
- Torque Fastener Analysis



- Initial statistical analysis
- Enhanced analysis with DataMetrics INSIGHT! and web reports



- Configure and set prompts for when data gets uploaded
- Continuous WIFI provides additional options to upload data:
  - Manual upload
  - At end of subgroup (characteristic level)
  - End of completed subgroup– all data must be completed before upload
  - On accept



Eliminate false alarms by using advanced configuration options to set when alerts, and notifications are sent



Near real-time event notification ability

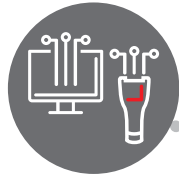
## COMMUNICATE

# LEVERAGE THE POWER OF THE DATAMETRICS DATABASE

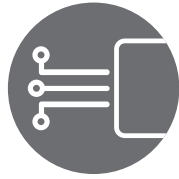
Increase your data collection and reporting capabilities on the DataMyte™ Revolution with these solutions.

## Data Collection

- Universal
- Fixed Station
- Mobile



## Gage & Machine Connectivity



## Statistical Process Control



## DataMetrics



## Digital Clipboard™ ESCALATE™



## INSIGHT! Analysis & Reporting



## Production Monitor



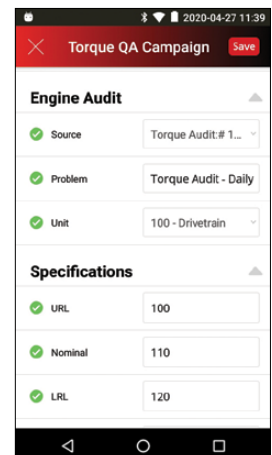
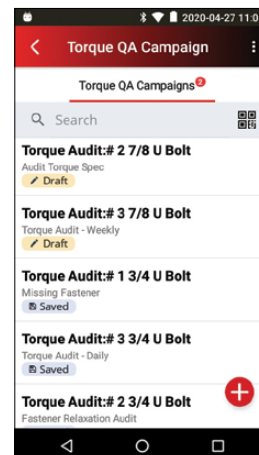
Characteristic	SC	Mar 01	Mar 02	Mar 03	Mar 04	Mar 05	Mar 06	Mar 07	Mar 08	Mar 09	Mar 10	Mar 11	Mar 12	Mar 13	Mar 14
Recpt Gnd	▽				1								1		
Gnd Pass-Through Inside	▽				1							1	1		
Gnd Pass-Through Outside	▽					1						1	1		
MDL BCA Inside FW	▽					1									
Connections A & B	▽									1		1			
VP Inside	▽				1					1					
Cab Skin Gnd Station	▽						1								
Steering Column	▽									1					
Steering Column	▽				1		1			1			1		
Steering Pinch Bolt	▽														
Nut Arm	▽									1	1				
Bunk Restraint	▽						1	1			1	1			
Access Grab Handles	▽				1	1	1	1		1	1	1		1	
Access Grabhandle	▽				2	1	1			1	1	1	1	1	

## ESCALATE™

- A software solution that assures non-conformities are handled in a timely manner in a closed loop process.
- This configurable tool enables you to set the time intervals and who gets notified if issues are not handled in a timely manner.
- ESCALATE has rich reporting capabilities to enable quality improvement.

## DIGITAL CLIPBOARD™

- Eliminate the manual, paper processes of collecting data on clipboards with a digital checklist solution from DATAMYTE.
- Turn your checklists into actionable workflow with the ability to get instant feedback if a measurement is out of specification.
- Save time and reduce costs with workflow automation, reporting, and action-based prompts that will drive process improvement and increase team collaboration.



The above solutions can be implemented on the DataMyte™ Revolution, Tablet, Phone or Fixed Station/PC.

# SPECIFICATIONS



## GAGE INTERFACE OPTIONS



GAGE INTERFACE OPTIONS	
<b>Digital/LMI</b>	<b>Torque</b>
<b>Base</b>	
<b>Digital, Serial, Gap &amp; Flush, RF Digital, RF Gap &amp; Flush</b>	<ul style="list-style-type: none"> <li>• Compatible with CDI, Federal Maxum, Federal Micro Maxum, Mitutoyo</li> <li>• Sylvac Serial, RS232 serial gages, and LMI Diamondback digital indicator</li> <li>• LMI200, LMI241, LMI241BW, TP-107, LMI SK5038, LMI G-Force</li> <li>• LMI RF Gap &amp; Flush gages and MicroRidge RF gage interfaces</li> <li>• The Revolution supports additional gages, please contact us for more information</li> </ul>
<b>Torque Options</b>	<ul style="list-style-type: none"> <li>• Seamless connectivity with LightStar™ Torque Wrenches</li> <li>• Digital configuration has optional Torque connectivity at base of unit</li> </ul>

**Memory:** 8GB

**Keypad:** Alphanumeric

**International language support:**  
English, Spanish, Italian, Portuguese  
Coming soon: French, Chinese

**Operating temperature range:**  
0 to +50 C (+32 to 122 F);  
10%-90% non-condensing humidity

**Non-operating temperature range:**  
-20 to +60 C (-4 to +140 F)

Drop tested four feet to concrete  
Splash resistant

**Construction:** Case - ABS plastic with TPE grips.

**Keypad:** Silicone rubber

**Display:** 480 x 854 FWWGA IPS color backlit  
LCD touch screen

**Audible Output:** Dual speakers with volume control

**Power:** 7.4V-3400 mAh Li Ion rechargeable battery; 8-hour battery life

**Certifications:**  
CE & FCC (47 CFR Part 15 Class A).

Each device comes complete with hand strap, shoulder strap, belt clip, and two batteries



**DATAMYTE™**  
Experts in the Connected Factory

2800 Campus Drive, Suite 60, Plymouth, MN 55441  
800-455-4359 | [www.datamyte.com](http://www.datamyte.com) | [info@datamyte.com](mailto:info@datamyte.com)  
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