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TECHNOLOGY GROUP

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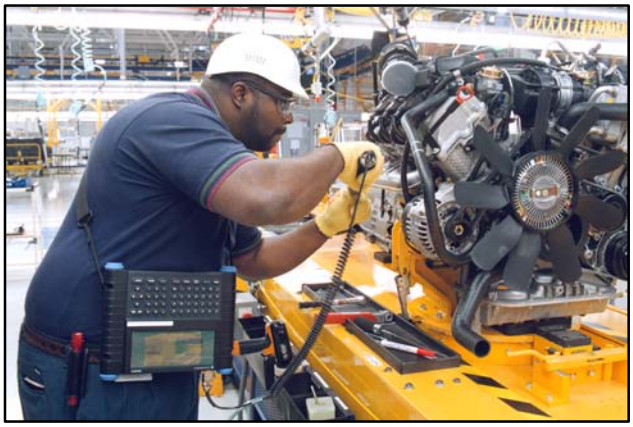
Find the *Rockwell / ASI / DataMyte 3053* at our website: *Click HERE*

ASI DataMyte Total Quality Solutions

Unequaled Reliability In Portable Data Collection

DataMyte 3000-Series Data Collectors

The DataMyte 3000-series data collector is available in three models to fit a wide variety of data collection needs: The 3053 with analog and digital ports, and the 3052 and 3055 with digital ports only.



The 3053 is ideally suited for roving torque audits.

Torque & Angle Plots for 3053

- The 3053 includes 'angle' as a gage type.
- Optional angle-detecting hardware gives torque and angle display capability.
- Allows capture of torque and angle in operations such as fastener rundown.
- The 3053 produces a torque curve plot showing breakaway, restart and peak when used with a torque transducer.
- The pick-a-point feature gives instant access to statistics on any point on a curve.

Open Communication

- Export or import text files to/from database, word processing, or Microsoft® Excel® with DataMyte TrandSend™ software.
- Ability to move trend, capability or raw data between data collector and computer easily.
- Unload setup information, edit as text, and reload into data collector.
- Multiple level password protection for part setups and statistical information.

Downtime Recording

- Track machine downtime with built-in down-time recording feature in all 3000 models.
- Records machine status to nearest second, even during data collection operations.
- View downtime status of all machines on the data collector's Select screen.
- Maintain each machine's history, including downtime duration and start/stop times.
- Pareto chart of downtime causes helps determine critical problem areas.



The 3052 and 3055 data collectors are available with either two or five digital gage ports

Group charts

- Ideal for applications where multiple processes produce identical product, such as multi-spindle operations.
- Maintains individual process trend analysis; shows points closest to going out of control.
- Group chart stats report lets you quickly spot trouble areas hidden among characteristics.
- Characteristic skipping feature lets you select characteristics to skip during data collection.

Enhanced Attribute Capability

- Real-time piece and batch attribute data collection.
- Collect multiple defects per piece, plus location with each defect.
- Data collection via barcode wand, footswitch or keyboard.
- Ideal for incoming inspections, on-line defect analysis, lot control, roving audits and traceability requirements.

Virtually Unlimited Setups

- Number of parts to be set up limited only by memory capacity.
- Accommodates up to 999 characteristics per part, depending on part configurations.
- Subgroup size can vary from one to a maximum of 200 samples per subgroup.
- On-board setup editor lets operators create part setups in the data collector or in ASI DataMyte support software.

Rugged and Dependable

- All solid state; no rotating internal drive to jar loose under abusive conditions.
- Withstands a four-foot drop without shutdown or loss of data.*
- Survives grain and carbon dust, metal shavings, oil or grease, and daily wipe downs.
- Female connector ports reduce likelihood of shorted, bent or broken connector pins.

Other Features

- Memory capacity of 1000K or 2000K
- Eight languages built-in: English, French, German, Italian, Portuguese, Spanish, Swedish and one user-definable language.
- Interfaces with over 2000 gages from hundreds of manufacturers.
- Easy-to-read graphics and intuitive keypad functions simplify training and operation.
- Eight-hour rechargeable battery lets you work all day without changing batteries.

Contact your local DataMyte representative for a free demonstration of the 3000 data collector's capabilities at your site.



The 3053 can be used with gap and flush gages for assembly line quality audits.

**Drop test per Boeing Commercial Airplane Company. Equipment specification for 777, Everett, WA, 1993 (Drop test referenced with permission.)*

3000-Series Data Collector Specifications

Hardware

- Weight: 3.5 lb.
- Dimensions: 11.5" x 9.5" x 2.0"
- Construction: Case: ABS plastic; Keypad: silicon rubber
- Power supply: removable rechargeable NiCad battery and external AC charger/adaptor; 10-minute battery warning
- Display: 16-line x 40-character LCD
- Audible output: buzzer with volume control
- Numerical precision: 8 digits plus decimal point and sign
- A/D conversion:12-bit resolution, .1% of full scale accuracy
- Bar code wand: reads UPC, bar code 39, Interleaved 2 of 5, Codabar, Code128, EAN, Code 2 of 5, Code 93, and MSI. Pulse sample rate: 12.7KHz
- Connectors: 3053: 4 gage ports (2 analog and 2 digital)
  3055: 5 digital gage ports
  3052: 2 digital gage ports.
  Other connectors, all models: network (except 3052), footswitch, printer, and power.
- Operating temp. range: 0-45ºC (32-115º F); 10%-90% non-condensing humidity
- Standard shoulder strap

Charting and Reporting Features

- x-bar & range control charts and statistics
- x-bar & sigma control charts and statistics
- Multi-characteristic capability report
- Data summary
- Raw data report, suitable for transfer to spread sheets
- Histogram and statistics (Cp, CpK, Ppk, Cr, CpU, CpL [CpKs for upper and lower tails], offset, offset %,min, max, mean, range, sigma, 6-sigma spread, mean +3 sigma)
- Capability reports
- Short run charts and statistics
- Pareto charts, p-charts and statistics
- Charts can be automatically graphed as data is collected
- Trends and out-of-control points indicated on control charts
- Batch report printing
- Report selection by time/date range or label
- Group charts
- Pareto of downtime

Other Functions

- Enter, review, retake data
- Gage inputs from Mitutoyo, Trimos, Mini Trimos, Federal Maxμm, Chicago Dial Indicator, Digitrix, Ono Sokki, RS 232 serial and many others
- Automatic date/time stamping of data
- Automatic scanning and recording of gage inputs
- Math (TIR, absolute value, square root, etc.) on gage inputs, keypad inputs, and previuous readings
- Trends (runs, shifts, mixture, systematic variable, and instabilities) detected, including points outside control/engineering limits; audible/visual operator alert; operator prompt to enter assignable cause
- Ability to modify trend rules
- Up to 2 user-defined characteristic labels plus cause
- 16-character assignable cause labels
- Up to 10 subgroup labels
- Up to 10 piece labels
- Ditto feature for labels
- Auto enter feature for labels
- Label entry from barcode, keypad, and/or list
- Part identification: 32-character part name
- Up to 999 characteristics per part
- Each characteristic may have its own subgroup size
- Up to 5 part notes (descriptors) to operator
- Up to 5 characteristic notes (descriptors) to operator
- Multi-level, user-defined password protection
- Long form, short form, and ANOVA R & R studies
- 24-character data collector identifier
- Print screen
- Automatic label filtering
- Custom label prompting
- Capability stats disable option for out of control
- Setups and/or data transferable as simple text files

Additional 3053 Features

- Torque curve plot
- Breakaway, Peak, Pulse, Restart torque algorithms
- Set torque algorithm with audible alarm
- Low-level analog gage interface, including LMI and Uryu pulse torque tools, and many others.
- Torque with angle

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Total Quality Solutions

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