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501 Handheld Data Collector with Gap, Flush and Seal Gap Gages

ASI DATAMYTE's Data Collectors extend the functionality of Gap, Flush and Seal Gap devices in a powerful way. The 501 Handheld Model interfaces to hundreds of gages used in vehicle assembly applications, has onboard SPC charting capabilities for immediate analysis, and can pass critical data along to robust outboard applications, tablet PCs and laptops.



The 501 guides operators through complex routines and drives error-proof data collection with task-specific prompts for entry of VINs, rotation numbers, and other identifying data. Audible and visual (red, green light) indicators provide verification of out-of-spec readings. The unit's "Re-Audit" feature allows users to immediately capture flagged measurement points that need to be checked on additional vehicles.

The 501 automates and integrates data collection routines. For example, a caliper, a true position probe, a gap & flush gage and an LMI 200 series probe can be used simultaneously to address complex applications without changing cables or gages.

501 with the LMI 241

The LMI 241 BW Gage measures gap and levelness at the same time, reducing check time by 50% or more. With solid aluminum construction and solid state electronics, these gages lock onto the checking fixture with ease and provide a level repeatability and accuracy inconceivable using scales, feeler gages, taper gages or manual recordings. Non-marring packaging options make the 241 the perfect measurement tool for both BIW or final assembly. Tough aluminum and steel construction and solid state electronics resist shock and dust and ensure long life. Miniature sizes adapt to tight spaces.



Coupling the LMI 241 with the portable 501 Handheld allows you to take accurate and rapid data collection to the data.

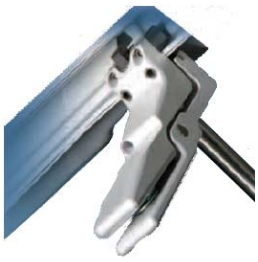
Seal Gap System and Gages

The LMI Portable Seal Gap (PSG) solution is a flexible and expandable system comprised of compact, light weight gages. Portable seal gap gages replace inconvenient feel gages, clay,



calipers and thumbscrews. A variety of versatile gages can be easily attached to door or deck flanges and configured into coordinated test plans. Data is fed into RF hubs situated in the car body or other centralized location. Readings are collected remotely, and data is stored and made available for immediate analysis.

The LMI 237 mini door seal gap gage is robust and shop hardened with accuracy to .02 mm. It clips onto flanges magnetically while spring loaded fingers contact the sealing surface.



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True Position Probes

True position gaging measures the distance from an actual hole center to its desired position, expressed as a diameter in accordance with ANSI specifications. The LMI 200 probe transducer sets the standard for checking fixtures and hole true position with accuracy and repeatability. Constructed of aircraft aluminum, hardened tool steel and corrosion resistant plating, these tough gages can take abuse and keep on performing where other linear measurement devices will have been repaired or replaced multiple times. The 501 Data Collector extends the power of real-time true position gaging with its 4-channel analog option, capturing and integrating data collected from two or three axes across complex, multi-purpose routines.





Fixture Gages

The LMI 268 Trim Check, LMI 269 Trim & Flush Check and LMI 267 Right Angle transfer gages are used in conjunction with LMI 200 series probes to obtain readings through adjustable bushings. They are spring loaded and can be locked into the retracted position for part loading and unloading. The 267 can be used to reach hard to get at check points and on the under sides of surfaces. This flexibility enables low-profile, cost-saving fixture design. Tooling aids are available to properly establish the nominal position on the checking fixture.



Integrate, Improve and Accelerate

Integrating state-of-the-art gaging with advanced data collection yields big cost savings and improves quality. All LMI Gap, Flush, Seal Gap and Fixture gages interface directly with ASI DATAMYTE 501 data collectors. This eliminates errors associated with manual data collection and speeds up the process immensely.

Pairing the 501 with LMI Flush & Gap Gages produces portable solutions that are ideal for roving assembly applications, making it easy to :

- Take door closing and opening measurements
- Gather weld destruct data
- Assess paint thickness, gloss and DOI
- Conduct yard audits and incoming inspections

Taking advantage of ASI DATAMYTE Data Collection software means that "setups" can be created to structure and automate data collection around your specific environment and needs. Data can be uploaded to a central database or other applications for storage, further analysis and customized reporting. For example:

- All data for fasteners, gap and levelness may be appended automatically to existing data by time and data.
- Test exception reports can list out of spec measurements for designated time and date range, including VIN and sequence number.
- Event summary software for team and group leaders shows the status, at a glance, of measurement events and associated information.

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