



ONLINE DATA VALIDATION (ODV™)

WE WATCH YOUR BARCODES SO YOU DON'T HAVE TO

Barcoded labels are the intelligence in today's fast-moving supply chains. Attached to every product, they propel goods and information from the manufacturing facility to the retailer's shelf. In every industry, from automotive to retail to pharmaceutical, barcoded labels are the key to efficiency. A bad barcode reduces that efficiency and can result in non-compliance fines, lagging production lines and delayed shipments.

That's why Printronix has developed the ultimate thermal bar-coding solution: Online Data Validation (ODV) with ODV Data Manager, its closed-loop quality control system.

ONLINE DATA VALIDATION

Online Data Validation (ODV) analyzes every barcode printed with the Printronix **T5000^e** thermal printer to assure that it meets the most stringent scanning standards. More importantly, it analyzes each barcode immediately after the label is printed without reducing throughput. This 100 percent inspection includes both linear and PDF417 barcodes and validates that the barcode image falls well within each barcode's symbology specifications, resulting in a scannable barcode. ODV stops bad barcodes from getting into the production or distribution system, which could lead to a shut down of operations. Even more, ODV system efficiency increases by eliminating the need for costly human intervention in the validation process.

ODV DATA MANAGER

Since barcodes have such an impact on supply chain efficiency, Printronix has developed a closed-loop quality control system that monitors the barcoding process. ODV Data Manager is the Printronix solution for fully automated barcode quality control. Now you can:

- Capture and display all barcode quality data, by label and by barcode, an invaluable tool for applying maintenance remedies.
- Capture and display detailed validation information, to get to the heart of any problem instantly and minimize downtime.
- Capture and display the actual data within each barcode, to provide further assurance that critical data, such as serialized barcodes, actually prints correctly.
- Allow for all data to be viewed online, stored in a file, or exported to a data base in real time, to provide a true ISO9000 or QC archive.
- Save "snap shots" of the data in CSV or XML format, to quickly isolate problem labels.
- Use Printronix ODV Data Manager with multiple concurrent ODV connections, to assure maximum QC in high-volume environments.
- Place printers into fault conditions for either barcode quality or data failures, to ensure that bad data never will enter your system.

Printronix ODV Data Manager is your company's best insurance against the high costs associated with barcode scanning and data accuracy failures.



100% Scannable. 100% Of The Time.

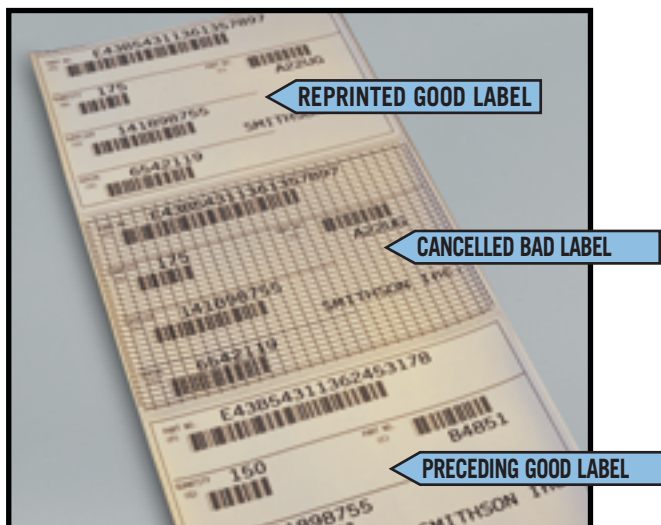
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HOW ODV TESTS THE BARCODES

ODV takes the following steps to test each barcode image:

- ODV analyzes the incoming datastream and finds every barcode command on each label.
- The label is printed and each barcode image is scanned and tested to its barcode symbology specifications.
- ODV correlates every barcode test result with the incoming datastream's barcode commands.
- If all the barcodes meet specifications, the label is good and ready for use. If the label does not meet specifications, ODV uses its datastream analysis to cancel the "bad" label and print a "good" replacement label.
- ODV action is automatic and takes place without any host program modification.

In summary, Printronix' Online Data Validation is a tool that can save you time, money and stalled productivity. It evaluates every barcode label to provide total scanning assurance and eliminates the need for costly human intervention in the barcode validation process. Combined with Printronix PrintNet® Enterprise connectivity, the latest advancement in networked printer management, ODV Data Manager "closes the loop" on barcode quality control and provides unprecedented visibility of mission-critical bar coding tasks.



BARCODES SUPPORTED

PDF417
Code 39
CODABAR
Interleaved 2 of 5
Code 93
Code 128
UPC/EAN plus add-ons

LABEL REQUIREMENTS

Quiet Zone	Minimum: 10 times x-dimension
Barcodes per Line	Up to 4 codes on the same horizontal line
Barcodes per Form	Up to 99 codes per form
Barcode Orientation	Picket fence only
Horizontal Spacing	Minimum of .5" between codes on the same horizontal line
Barcode Height	Minimum barcode height is .13"
TOF to TOF Minimum Distance	.5"

ODV SCAN MODES	SMALL WIDTH (4")	STANDARD (DEFAULT, 6")	WIDE WIDTH (8")
Scan Width*	4.5"	6.5"	8.5"
X-Dimension (min.)	6.6 mil	10 mil	13 mil
Minimum Code Height	.13"	.14"	.20"

*This scan width can be positioned anywhere across the label.

PRINT RUN REPORT

Number of forms printed
Number of bad forms
Bar width deviation of last barcode
Number of codes printed
Average bar width deviation

VALIDATION ERROR ACTIONS

Overstrike/Reprint (default)
Stop
Overstrike

VALIDATION ERROR NOTIFICATION MODES

Printer Display
Printer Audible Alarm
Printer Status Light
Remote Notification

TELEMETRY REPORTS

Telemetry Path	Network Port
Data Contents (selectable):	
Short	Pass/Fail quality results
Validation	Pass/Fail quality results + actual decoded data
Full	Validation + all measured parameters

SAFETY

Complies with Part 15 of the FCC Rules
Class 2 Laser Product
Conforms to DHHS Regulation 21 CFR Subchapter CE Mark and UL Approval