



T5000 with
Online Data Validation Option

ODV's scanner evaluates every
bar code on every label

O N L I N E D A T A V A L I D A T I O N (O D V [™])

**WE WATCH YOUR BAR CODES
VERY CAREFULLY...**

SO YOU DON'T HAVE TO.

failure translates into a rejected item, the need for manual correction, an opening for error... a loss in productivity. To enable you to meet the challenge of producing good labels 100% of the time, **Printronix introduces Online Data Validation.**

To get an edge on today's fierce competition, leading manufacturers and distributors along the supply chain rely on automation and information. Central to enabling this reliance is the bar code identification label.

Today, this critical link must perform properly 100% of the time, since every

WHAT IS ONLINE DATA VALIDATION?

Online Data Validation (ODV) analyzes every bar code printed with the Printronix T5000 thermal printer to assure that it meets the most stringent scanning standards. More importantly, it analyzes each bar code immediately after the label is printed without reducing throughput. This 100% inspection verifies that the bar code print image falls well within each bar code's symbology specifications, resulting in a scannable bar code. ODV stops bad bar codes from getting into the production or distribution system, which could lead to a shut down of operations. The positive result? Increased system efficiency and more solid trading partner relationships.

When you print with ODV, the bar codes on your boxes will be as good as the products inside.

BOTTOM LINE, ODV:

- Evaluates every bar code providing total scanning assurance.
- Combined with Printronix' PrintNet® Plus, provides unprecedented visibility of mission-critical bar coding tasks and a complete audit trail of print job results.
- Eliminates the need for costly human intervention in the validation process.

You'll know what was supposed to print, what actually printed, and the quality of that printing – instantly!

ONLY FROM PRINTRONIX.

PRINTRONIX

HOW ODV TESTS THE BAR CODES

- Analyzes the incoming datastream and finds every bar code command on each label.
- The label is printed and each bar code image is scanned and tested to its bar code symbology specifications.
- ODV correlates every bar code test result with the incoming datastream's bar code commands.
- If all the bar codes 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.

HOW ODV "CLOSES THE LOOP"

- The test results and the decoded alphanumeric data for every bar code is viewable at the printer control panel. They are also sent over the printer network for viewing by PrintNet Plus management software.
- This data is displayed and stored in an XML file, which can be used to compare the printed bar codes with the datastream sent to the printer.
- The file can also be saved as a quality control record for future use.

Online Data Validation closes the loop for your bar code label printing process, resulting in total bar code quality control.



ONLINE DATA VALIDATION FOR THE T5000

Emulations Supported

ODV works with all T5000 printer emulations

Bar Codes Supported

- 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
- Bar Codes per Line - Up to 4 codes on the same horizontal line
- Bar Codes per Form - Up to 99 codes per form
- Bar Code Orientation - Picket fence only
- Horizontal Spacing - Minimum of .5" between codes on the same horizontal line
- Bar Code Height - Minimum bar code height is .13"
- TOF to TOF Minimum Distance - .5"

Form Handling Modes

- All T5000 including:
- Continuous
 - Peel Off
 - Tear-Off
 - Cut
 - Tear-Off Strip

| ODV Scan Modes | Small Width | Standard (default) | Wide Width |
|---------------------|-------------|--------------------|------------|
| Scan Width* | 2.5" | 6.5" | 8.5" |
| X-Dimension (min.) | 6.6 mil | 10 mil | 16 mil |
| Minimum Code Height | .13" | .14" | .20" |

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

Maximum Print Speed Limits

To insure that ODV has a sufficient number of scans to perform a valid quality check, maximum print speed is determined by the height of the bar code:

| Code Height | Max. Print Speed |
|------------------|------------------|
| 0.40" or greater | - 10 ips |
| 0.32" | - 8 ips |
| 0.25" | - 6 ips |
| 0.20" | - 5 ips |
| 0.16" | - 4 ips |
| 0.13" | - 3 ips |

Print Run Report

- Number of Forms Printed
- Number of Codes Printed
- Number of Bad Forms
- Average Bar Width Deviation
- Bar Width Deviation of Last Bar Code

Validation Error Actions

- Overstrike/Reprint (default)
- Stop
- Overstrike

Validation Error Notification Modes

- Printer Display
- Printer Audible Alarm
- Printer Status Light
- Remote Notification

Telemetry Report

- Port - Serial or network
- Data Contents (selectable):
 - Short Validation - 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 J
- CE Mark and UL Approval



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