The LDP Verifier (for Labels and Data Plates) is a UID Compliance Verifier that evaluates and verifies symbols according to specifications in MIL-STD-130 and DFAR 252.211-7003. The LDP Verifier has been specially developed for checking and verifying UID Data Matrix markings on labels and data plates.

UID Compliance Verification products allow U.S. DoD (Dept. of Defense) suppliers and subcontractors to easily and consistently comply with a wide range of UID regulations.

**Labels and Data Plates**
The LDP Verifier is designed for verification of labels and data plates with thickness up to 0.125 inch (3.17 mm).

**Integrated Design**
The LDP Verifier is a standalone unit, connected to a host PC, that contains appropriately fixed lens and lighting systems required for testing UID data syntax strings and evaluating symbol quality.

**Reports**
The LDP Verifier includes reporting features with quality assurance and repeatable/auditable results. Reports are detailed, and verification results are archived for backup and compliance audits.

**UID Compliance**
Since implementation of the UID initiative, most goods destined for the U.S. DoD must be permanently marked with a UID code. UID Compliance Verifiers enable the DoD and their suppliers and subcontractors to meet the requirements in UID standards such as MIL-STD-130 and DFAR 252.211-7003.

**Application Examples**
U.S. DoD suppliers of:
- Aerospace parts
- Automotive parts
- Electronics
- Any UID Data Matrix labels and data plates

For more information on this product, visit www.microscan.com.
UID LDP Compliance Verifier Specifications and Options

MECHANICAL
Height: 11.06” (280.92 mm)
Width: 10” (254 mm)
Length: 13” (330.2 mm)

READ PARAMETERS
Max. Label/Data Plate Thickness: 0.125” (3.175 mm)
Depth Of Field: 0.125” (3.175 mm)
Min. X dimension: 0.0075” (0.19 mm)
Image Field: 1.0” x 0.75” (25.4 mm x 19.05 mm)

ELECTRICAL
Power: AC adapter for 100 to 250 VAC, 0.05 A
50/60 Hz input; 24 V with 500 mA output

COMMUNICATION PROTOCOLS
Standard Interface: Ethernet
Maintenance Purposes: RS-232 baudrates
from 600 bit/s to 115.3 Kbits/s

ENVIRONMENTAL
Operating Temperature: 0° to 40° C
(32° to 104° F)
Humidity: Up to 95% (non-condensing)

LIGHT SOURCE
Type: Embedded Class I LED
External: 640 nm
Diffuse perpendicular (90°) light
Laser target beam
Class II laser to IEC 60825-1

EMISSIONS/IMMUNITY
Heavy Industrial Immunity: EN 61010-1: 2002
Lead Radiation CCS: EN 60825-1 1993
Amendment 2 2001-01

MINIMUM PC REQUIREMENTS
- Host PC running Microsoft Windows 2000,
  Windows XP, or Windows Vista
- At least a 2 GHz CPU
- At least 512 MB RAM
- CD-ROM drive
- At least 100 MB of available hard disk space
- A 10/100 MB network (Ethernet) interface
- Display capable of displaying at least 1024
  by 768 pixels, true colors

SYMBOLS VERIFIED
Data Matrix (ECC 0-200)

STANDARDS
- AIM DPM-1-2006
- ISO 16022
- ISO 15415
- ISO 15434
- ISO 15418
- SAE AS9132 Laser
- SAE AS9132 Dot Peen
- SAE AS9132 Electro-Chemical Etch
- DFAR 252.211-7003
- MIL-STD-130L
- MIL-STD-130L Change 1
- MIL-STD-130M
- MIL-STD-130M Change 1
- MIL-STD-130N
- Guide to Uniquely Marking Items
  Version 1.4
- Guide to Uniquely Marking Items
  Version 1.5
- Guide to Uniquely Marking Items
  Version 1.6
- ATA SPEC200 Chapter 9 and ANSI MH10

QMS CERTIFICATION
www.microscan.com/quality

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Read Range and other performance data is determined using high quality Grade A symbols per ISO/IEC 15415 and ISO/IEC 15416 in a 25° C environment.
For application-specific Read Range results, testing should be performed with symbols used in the actual application. Microscan Applications Engineering is available to assist with evaluations. Results may vary depending on symbol quality. Warranty—For current warranty information on this product, please visit www.microscan.com/warranty.