RJS Inspector® D4000

Bar Code Verifier by RJS

The Inspector® D4000 is the most flexible verifier from RJS

The Inspector® D4000 meets the International Organization for Standardization's "Bar Code Print Quality Test Specification (ISO 15416), the American National Standard Institute's "Guideline for Bar Code Quality' (ANSI X3.182-1990), the Uniform Code Council (UCC), and the CEN specifications regarding verification methods and methodology. It also meets International Organization for Standardization's "Bar Code Verifier Conformance Specification" (ISO 15426-1).

This truly unique and powerful instrument is also easy to use. All the popular linear symbologies are supported. Store and print capability, multiple scan averaging and sub-symbology choices are easily accessed through a simple four-button user interface. Analysis information appears immediately on a 32-character alphanumeric liquid crystal display (LCD). A distinct audible tone and a series of five colored LED's indicate whether a bar code is in or out of specification. In addition to the ISO/ANSI method parameters, traditional analysis parameters are provided on the LCD without a special mode setting.

Two patented Auto-Optic scan head versions are available; 3, 6, 10, 20 mil or 3, 5, 10, 20 mil aperture choices. Both versions provide red (660 nm) and infrared (925nm) light wavelength selections.

If needed, a detailed hard copy printout can be produced from the Inspector® D4000 using an optional direct thermal printer or inspection data can also be sent to computer using an optional VCIR option. This allows verification results to be printed, saved, or transferred to other applications.

This equipment and its documentation were developed to fit into your company's existing ISO 9000/9001/9002 policies and procedures.

Features

- Dual Mode Portable Bar Code Verifier
  - o ISO/ANSI Mode Operation (Auto-Optic scanner)
  - o Laser Gun Mode Operation (Laser Gun scanner)
- Multiple apertures and light wavelengths (set via menu selections)
- Traceable to NIST (National Institute of Standards and Technology)
- Follows the ISO15416 and ANSI X3.182 Bar Code Inspection Method *(Auto-Optic scanner only)*
- Conforms to ISO15426-1 Bar Code Verifier Specification *(Auto-Optic scanner only)*
- Auto-discriminates between all popular symbologies
- Bidirectional scanning
- Multiple scan averaging
- Traditional analysis also provided

ISO/ANSI Mode Operation

The patented D4000 Auto-Optic scanner is the industry's most flexible ISO/ANSI method verifier. Key features include a patented Auto-Optic scan head that allows for eight optical arrangements settable via menu selections for four aperture sizes and two wavelengths of light. Repeatability between units is outstanding, making the D4000 an ideal choice for a standardized company-wide ISO/ANSI method verifier.

Laser Gun Mode Operation

A D4000 Laser Gun scanner is an extremely easy to use point-and-shoot verifier. It requires virtually no user training and analyzes most of the essential traditional verification parameters. It also provides an ISO/ANSI decodability analysis that is traceable to the standards. Features include continuous mode (percent of decode), data match mode and database information

Inspector D4000 Auto Optic and Laser

Features

ISO/ANSI scan profile test method	Y
Instant “On-Screen” ISO/ANSI grade	Y
ISO/ANSI 10-scan grade averaging	Y
Traditional test method	Y
Special reflectometer mode	Y
Auto-switch Symbologies	Y
Change aperture/wavelength from menu	Y
Automatic power off	Y
Data buffer	Y
Command code programming	N
Detail hardcopy printout (optional)	Y

Verification Methods

Parameters determined by ISO/ANSI bar code print quality guidelines and traditional pass/fail criteria.

	Auto Optic	Laser Gun
ISO	Y	N
ANSI	Y	N
Traditional	Y	Y
Bar/Space Measurements	Y	Y
Industry Applications:		
SCC Retail	Y	Y
U.P.C Coupon Code	Y	Y
AIAG (Automotive)	Y	Y
LOGMARS (Government)	Y	Y
HIBCC (Health)	Y	Y
SISAC (Serials Coding)	N	N
CTIA/ABCD (Computer)	N	N
Bookland (Books)	Y	Y
CCBBA (Blood Bank)	N	N

Dimensions

Height:	1.9 in. (4.8 cm)
Width:	4.6 in. (11.7 cm)
Length:	7.8 in. (19.8 cm)

Mechanical

Weight:	16 ounces (454 g)
Power:	4 AA NiCad batteries and AC Charger
Case:	Acrylonitrile Butadiene Styrene (ABS)
Beeper:	Audible tones indicate an audible pass/fail and low battery
Display:	4 line X 8 character LCD
Keypad:	4-button, on, select, enter, print
LEDs:	5 LEDs (two red, one yellow, and two green)

Environmental

Operating Temperature:	40 to 122° F (5 to 50° C)
Storage Temperature:	14 to 158° F (-20 to 70°C)
Relative Humidity:	5% to 95% Non-condensing

Optical:

Test Aperture:	Laser Gun: minimum ‘X’ dimension 5 mil Auto-Optic option A: 3, 5, 10, or 20 mil Auto-Optic option B: 3, 6, 10, or 20 mil
Wavelegth:	Visible: 660nm Infrared: 925nm

Symbologies:

EAN/UPC with addenda, Code 39, Interleaved 2 of 5, ITF-14, Codabar, Code 128, GS1-128, Regular 2 of 5 (Discrete/Industrial 2 of 5), HIBC

Safety/Regulatory:

FCC Class A, CE Certified