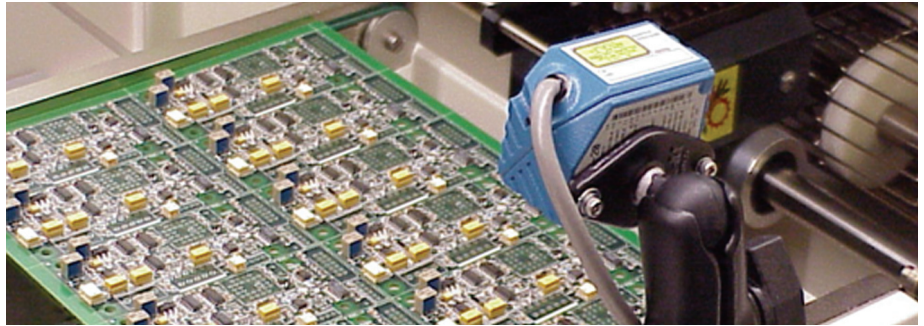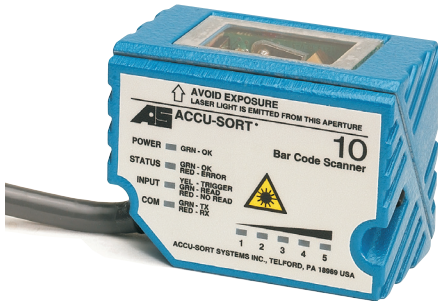# ACCU-SORT®

Model 10

300 scans per second

"Scanning Efficiency" LED bar graph displays scanner performance

Accu-Setup for Small Scanners Windows®-based configuration software helps get your scanner on line in a hurry

Stainless steel mounting brackets and conversion kits for competitive products

Accu-Sort's low cost scanning solution for embedded and material handling applications...

Big performance. Small footprint.

The Model 10, another high performance Accu-Sort line scanner, combines impressive optical performance with useful electrical features in a compact, rugged housing. With its advanced optical design, the Model 10 can handle almost any line scanning application. A wide scan angle coupled with powerful A/D circuitry provides an extremely large performance envelope for any given bar code.

The Model 10's rugged, IP65-rated die cast zinc enclosure, small size, zero clearance cable exit, and versatile mounting brackets combine to make installation a breeze.

Configuring the Model 10 is a snap using our Accu-Setup for Small Scanners software. This Windows®-based software package gets you up and running faster than ever by simplifying the process of defining and modifying operating parameter.

The Model 10 has a flexible design for integration into a wide range of systems. Simplified connections allow the Model 10 to install into existing environments with minimal changes.

Two solid-state current limited internal relays are included for good-read/no-read or custom outputs. A "scanning efficiency" LED bar graph provides at-a-glance checks on the status of the unit.

Other useful features include: status indicator LEDs, fault-tolerant inputs and outputs, and a functional block diagram on the bottom of the unit for easy installation.
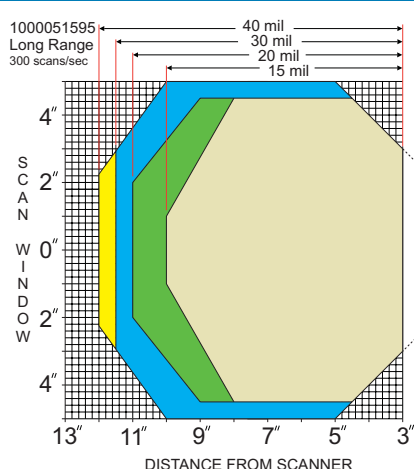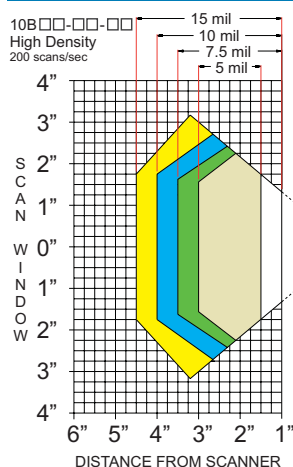
Options: raster mirror wheels, an external relay box with industry-standard I/O modules, and a remote display.

Typical applications include:

- Automated document handling
- Pharmaceutical bar code and label verification
- Data cassette retrieval systems
- Medical specimen tracking
- Small electronics/printed circuit board tracking

Evaluation kits are available. Call 1-800-BAR-CODE™ for more information.

ACCU-SORT® SYSTEMS
Lasers • Cameras • RFID • Systems

Model 10 Laser Bar Code Reader

10B□□-□□-□□
High Density
200 scans/sec
15 mil
10 mil
7.5 mil
5 mil

SCAN WINDOW

4" 3" 2" 1" 0" 1" 2" 3" 4"

6" 5" 4" 3" 2" 1"
DISTANCE FROM SCANNER

10162101.V01
41708C06.V01

1000051595
Long Range
300 scans/sec
40 mil
30 mil
20 mil
15 mil

SCAN WINDOW

4" 2" 0" 2" 4"

13" 11" 9" 7" 5" 3" 0"
DISTANCE FROM SCANNER

103812
41708C06.V01
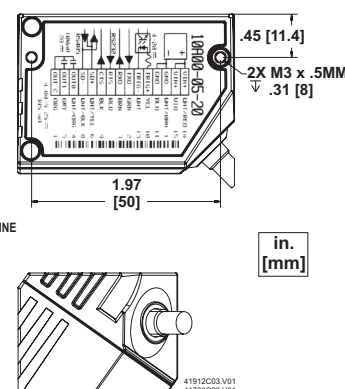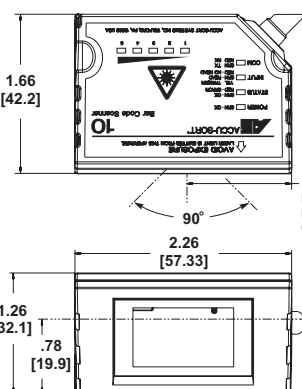
LASER LIGHT
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT (IEC.)
2.0mW PEAK AT 650nM.
COMPLIES TO:
EN 60825-1: 1994-21CFR1040

S/N:
MANUFACTURED:

01034466
SEPTEMBER 2001

LASER LIGHT
AVOID DIRECT EYE EXPOSURE
CLASS 3R LASER PRODUCT (IEC)
EN 60825-1:1993+A1: 1997+A2: 2001
<5.0 mW PEAK@630-700 nM

Narrow Element Width	Reading Range	Depth of Field	Maximum Scan Window
10.0 mil [0.25mm]	2.5"-5.0" [63.5-127mm]	2.5" [63.5mm]	5.0" [127mm] @ 2.8" [71mm]
15.0 mil [0.38mm]	1.0"-7.0" [25.4-178mm]	6.0" [152mm]	8.0" [203mm] @ 4.6" [116mm]
20.0 mil [0.50mm]	1.0"-8.0" [25.4-203mm]	7.0" [178mm]	8.0" [203mm] @ 4.6" [116mm]
25.0 mil [0.88mm]	1.0"-8.25" [25.4-210mm]	7.25" [184mm]	8.0" [203mm] @ 4.6" [116mm]
5.0 mil [.13mm]	1.5"-3.0" [38.1-76.2mm]	1.5" [38.1mm]	3.90" [99mm] @ 2.10" [53mm]
7.5 mil [.19mm]	1.0"-3.5" [25.4-88.9mm]	2.5" [63.5mm]	4.25" [107mm] @ 2.37" [60mm]
10.0 mil [.25mm]	1.0"-4.0" [25.4-101.6mm]	3.0" [76.2mm]	4.80" [122mm] @ 2.60" [66mm]
15.0 mil [.38mm]	1.0"-4.5" [25.4-114.3mm]	3.5" [88.9mm]	5.60" [142mm] @ 3.30" [84mm]

1.66 [42.2]
1.09 [27.7] BEAM EXIT CENTERLINE
90°
2.26 [57.33]
1.26 [32.1]
.78 [19.9]

.45 [11.4]
2X M3 x .5MM
.31 [8]
1.97 [50]

in. [mm]

419912C03.V01
41708C08.V01

Specifications

Characteristic	Description
Name	Bar Code Laser Scanner, Model 10
Depth of Field	See read chart
Scan Rate	Standard: 300 scans per second High Density: 200 scans per second Long Range: 300 scans per second High Speed: 500 scans per second
Temperature	Operating: +32° to +122° F [0° to +50° C] Storage: -4° to +158° F [-20° to +70° C]
Relative Humidity	10% - 90% non-condensing
Laser Type	Visible laser diode 650 nM (standard)
Operating Voltage	5 VDC @ 500 mA
Visual Diagnostics	Power, transmit/receive, Status, Trigger/GO/NVC, five segment LED bar graph
Bar Code Types	All standard 1D symbologies
Connectors	Flying leads, 15-pin high density, EM-50 connection
Weight	0.40 lbs [0.18 kg]
Size	L 1.7" [43 mm] x W 2.3" [58 mm] x H 1.3" [33 mm]
Enclosure	IP65 rated
Warranty	1-year limited, parts and labor
Service Options	Installation assistance and on-site training
Compliance	CE, UL, cUL, CDRH 21 CFR 1040 Class II

Actual performance may vary with configuration and application.

RFID ENABLED

For more information about auto-ID and material handling solutions from Accu-Sort Systems, contact us at:

**ACCU-SORT® SYSTEMS, INC.
511 School House Road
Telford, PA 18969
1-800-BAR-CODE™**

**info@accusort.com
www.accusort.com**