

S Series™

Thermal, On-demand Metal Bar Code Printers

All-metal printers fit your industrial applications and your budget.

The 105Se™ and 160S™ are two of the most versatile printers. Their simple operation and sophisticated capabilities meet the needs of both first-time and experienced users. With options including 300dpi on the 105Se, these popular, flexible printers meet your specific application requirements, adapting when your needs grow or change.

Sturdy Construction

S Series printers provide maximum durability in industrial work environments. The metal construction of the printer housing, drive gears and other critical components assures dependable performance, even when used in moderate to heavy duty cycle printing.



When it's on the line.™



S Series™

Maximum Durability

- Industrial, 12/14-gauge steel frame construction
- Dependable for even moderate to heavy duty printing

Application Flexibility

- Connection to any common PC or host computer via serial, parallel or optional ZebraNet® 10 Base-T Ethernet ports
- Label registration on black mark (optional on 105Se) or die-cut media using dual media sensors
- Can print labels up to 7.2"/182.8mm wide (160S only)
- Economically priced

Options include:

- Internal rewind
- Choice of print resolutions (105Se): 152, 203 or 300dpi
- Full-width cutter
- Selectable serial/parallel port
- Label peel with liner rewind

For more information

Contact your Zebra representative for additional printer specifications. For information on Zebra's other printers, supplies, software and accessories, ask your reseller, call +1 800.423.0442, or visit our Web site.

www.zebra.com



Zebra Bar Code Products

International Headquarters

333 Corporate Woods Parkway
Vernon Hills, IL 60061-3109 U.S.A.
Phone: +1 847.634.6700 or +1 800.423.0442
Fax: +1 847.913.8766
www.zebra.com

Other Locations

United States: California, Florida, Rhode Island, Utah, Wisconsin

Europe: France, Germany, United Kingdom

Asia: Hong Kong, Japan, Seoul, Singapore



FM-32328
An ISO 9001 registered company

©2000 Zebra Technologies Corporation
Printed in U.S.A.



#11215L(8/00)10M

Specifications at a Glance*

Standard Features

- Print methods: Thermal transfer or direct thermal
- Construction: 14-gauge (105Se) and 12-gauge (160S) steel frame
- Transmissive media sensor
- Reflective media sensor (160S only)
- Zebra's E³® Printhead Energy Control

Zebra Programming Language (ZPL® & ZPL II®)

- Universal language for Zebra printers. Simplifies label formatting and enables seamless compatibility with other Zebra printers.

Operating Characteristics

Environment

- Operating Temp. 41°F/5°C to 104°F/40°C
- Storage Environ. -40°F/-40°C to 140°F/60°C
- Operating Humidity 20-85% non-condensing
- Storage Humidity 5-85% non-condensing

Electrical

Selectable

- 115VAC+15/-20%; 5 amp. fused 48-62 Hz
- 230VAC+/-15%; 3 amp. fused 48-62 Hz

Communication Interface Capabilities

- Centronics® parallel or RS-232 serial ports; 110-19, 200; selectable BAUD rate, parity, data bits, XON-OFF/DTR protocol

Agency Approvals

- UL 1950; CISPR 22 (Class B); CSA 950; IEC 950; 801-2, -3 and -4 standards; Canadian Doc. (Class A); FCC (Class A); CE compliance

Media Characteristics

For optimum print quality and printer performance, use Genuine Zebra supplies.

Labels

Max. Roll Size

- 8"/203mm O.D. on a 3"/76mm I.D. core

Thickness (label & liner)

- .003"/.076mm-.012"/.305mm

Media Type

- Continuous, die-cut, black mark-(160S only)

Ribbons

Ribbon is recommended to be at least as wide as media.

Max. Roll Size

- 3.2"/81.3mm O.D. on a 1"/25.4mm I.D. core

Standard Lengths

- 984'/300m-1,476'/450m; provides 2:1 & 3:1 media roll to ribbon ratios

Ribbon Set-up

- Ribbon wound ink side out

Fonts/Graphics/Symbologies

Fonts and Character Sets

- Standard Fonts: 7 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)
- Sets: IBM® Code Page 850 International character set
- Optional European and Asian font sets

Graphic Features

- Supports user-defined fonts and graphics—including custom logos
- ZPL II drawing commands—including boxes and lines

Bar Code Symbologies

- Linear Bar Codes: Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar
- Two-Dimensional: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code

Options and Accessories

- 152/203/300dpi printhead resolution selection (105Se only)
- Full-width rotary cutter with orderable catch tray (105Se only)
- Peel/liner rewind (for print-and-apply)

- Full roll rewind
- Fan-fold bin
- ZebraNet PrintServer II (for Ethernet connectivity)
- BAR-ONE® software
- European and Asian font sets

*Specifications listed are for base model printers with standard features only unless otherwise noted. Specifications subject to change without notice. All product and brand names are trademarks of their respective companies. All rights reserved.



105Se

160S

Both the 105Se and 160S (ideal for applications requiring wide width/multiple up labels) are perfect for moderate to high volume printing needs in manufacturing and industrial applications, including:

- Shipping/Receiving
- Compliance labeling, such as AIAG and ODETTE
- Product labeling (Part ID etc.)
- Asset, product and document tracking
- Work-in-process
- Warehouse inventory/Shelf labeling

105Se

Maximum Print Area

Width: 4.09"/103.9mm

Length with 152dpi:

65"/1,651mm (with standard memory)

Length with 203dpi:

37"/940mm (with standard memory)

Length with 300dpi:

16"/406mm (with standard memory)

Resolutions

152dpi/6dots/mm, 203dpi/8dots/mm,

300dpi/12dots/mm

Maximum Print Speeds

6"/152mm per second (152/203dpi)

4"/102mm per second (300dpi)

Memory

Standard: 1MB DRAM

Physical Characteristics

Width: 10.5"/267mm

Depth: 18.9"/480mm

Height: 15.4"/391mm

Weight: 43lbs./19.5kg

Media Specifications

Label and liner width:

.79"/20mm-4.52"/115mm

Ribbon width:

.79"/20mm-5.31"/134.8mm

160S

Maximum Print Area

Width: 6.3"/160mm

Length:

24"/610mm (with standard memory)

Resolution

203dpi/8dots/mm

Maximum Print Speed

6"/152mm per second

Memory

Standard: 1MB DRAM

Physical Characteristics

Width: 13.1"/333mm

Depth: 18.9"/480mm

Height: 15.4"/391mm

Weight: 55lbs/25kg

Media Specifications

Label and liner width:

2"/51mm-7.2"/183mm

Ribbon width:

2"/51mm-6.9"/175mm