

# product specifications

## physical characteristics

**Length**  
36.8 cm (14.5")

**Height**  
22.4 cm (8.8")

**Width**  
24.1 cm (9.5")

**Weight**  
9 kg (20 lbs.)

## standard features

Adjustable label edge sensor

Time and date clock

Clear side door panel

Dot-addressable graphics capability

Fonts/bar code rotations:  
0°, 90°, 180° and 270°

Handles a range of direct thermal/  
thermal transfer label, tag and ticket  
supplies

Internal batch software for stand-alone  
printing (ASCII terminal required)

## printing specifications

**Element**  
0.125 mm (0.005")

**Length**  
Min: 12.7 mm (0.5"), Max: 210 mm  
(8.25"), Optional: 514 mm (20.25")  
with expanded memory

**Width**  
104 mm max. (4.1")

**"X" Dimension**  
0.25 to 1.27 mm (10 to 50 mil),  
0.13 mm (5 mil) drag mode only

**Speed**  
51 mm per/sec. (2.0" per/sec.)

**Resolution**  
203 dpi (8 dpmm)

## label specifications

**Roll**  
72.3 m linear (2860")

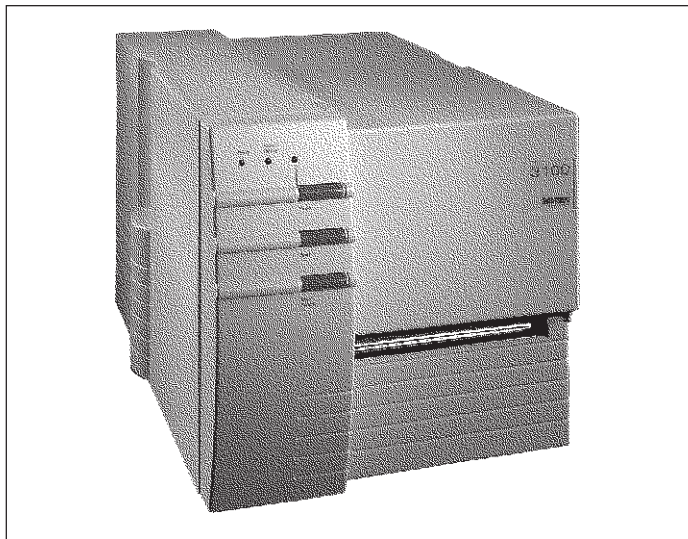
**Roll Diameter**  
152 mm max (6")

**Width**  
19 to 118 mm (0.75 to 4.65")

**Thickness**  
0.06 to 0.25 mm (0.0025 to 0.010")

**Length**  
13 to 254 mm (0.5 to 10")  
(4.25" maximum recommended);  
508 mm (20.5") with expanded memory

**Core Size**  
38 to 76 mm (1.5 to 3")



## ribbon specifications

**Roll**  
305 m linear (12,000")

**Widths**  
64 mm (2.5"), 83 mm (3.25"),  
104 mm (4.1"), 114 mm (4.5")

## communications

**Rate**  
300 to 9600 bps

**Flow Control**  
Xon/Xoff, CTS/DTR

**Asynchronous**  
RS-232-C, RS-422 Handshaking

**Programmable**  
7-bit or 8-bit word length

## fonts & graphics

Nine resident bit-mapped fonts  
(includes OCR-A & OCR-B)

One built-in smooth font licensed  
from AGFA® Compugraphic Corp:  
CG Triumvirate

Four optional pre-loaded font  
cartridges: CG Times, CG triumvirate  
Bold, CG Times Bold, Futura Extra  
Bold

Dot addressable graphics function  
compatible with: PCX, BMP, IMG,  
bitmapped files

## standards supported partial listing

AIAG (shipping parts label)

ANSI (4" shipping label)

LOGMARS

UCC/EAN 128 Serial Shipping  
Container

UPC/EAN Shipping Container

## character sets

French, German, Italian, Norwegian-  
Danish, Spanish, Swedish-Finnish,  
UK, USA

## electrical characteristics

115 or 230 vac  $\pm 10\%$ , 50 to 60 hz

## environment

**Operating**  
4° to 38°C (40° to 100°F)

**Storage**  
4° to 38°C (32° to 120°F)

**Humidity**  
Non-condensing (10 to 90%)

## symbolologies supported

Code 39

Code 93

Code 128

Codabar

Interleaved 2 of 5

## regulatory agency approvals

CSA certified (C22.2 No. 950) 115V

DOC SOR/88-475 Class A, 115V

FCC Part 15, Class A, 115V

FTZ VFG 243/1992, 230V

TÜV Rheinland GS licensed  
(IEC 950 & EN 60950) 230V

UL listed (1950) 115V

Compliant with all relative EU  
directives



**print!  
capture!  
connect!**

# 3100

**direct  
thermal/  
thermal  
transfer  
bar code  
printer**

## north america

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