The Model 2235 Line Printer is a bidirectional matrix printer that utilizes free-flight head technology to provide low cost, high-quality, reliable output for the 2200 series product line. The printer is encased in an attractive, streamlined cabinet lined with soundproofing material to enable quiet operation. Using a full ASCII 96-character set, the Model 2235 provides a variety of standard features.

The Model 2235 Line Printer offers software controlled pitch selection, producing a 132-character line (10-pitch) and a 158-character line (12.2-pitch). Ten-pitch characters are printed in a 9 x 9 dot matrix and 12.2-pitch characters are printed in a 7 x 9 dot matrix. The Model 2235 produces high-speed copy with six or eight lines per inch, printing 181 10-pitch characters per second (cps), and 222 12.2-pitch cps. The printer also provides a fast tabbing feature that speeds throughput when zones of five character positions or more are skipped.

Standard features include FORM OVERRIDE, LINE FEED, CLEAR, and TOP OF FORM switches, and Power On, Paper Out, MALFUNCTION, and SERVO Fuse indicator lamps. A SELECT switch places the printer in the ready position to receive data from a 2200 series Central Processing Unit and allows printing to be halted temporarily without loss of data. A Forms Thickness lever adjusts the print head carriage to vary print intensity, and a separate Print Head Retraction lever facilitates ribbon replacement and paper insertion without dislocating the print intensity.

**PRODUCT DATA SHEET**

**2200**

**MODEL 2235**

**LINE PRINTER**

- **Cost-Effective, High-Speed, Bidirectional**
- **New Technology Print Head**
- **Six or Eight Lines per Inch (Vertically)**
- **Programmable Vertical Format Unit (DAVFU)**
- **Programmable 10- and 12.2-Pitch Selection**
- **Expanded Print and Underscore Capabilities**

**12.2-Pitch Character Set**

!"#$%&'()*)+,-./0123456789:;<=?>
@ABCDEFGHIJKLMNOPQRSTUVWXYZ\]^_
`abcdefghijklmnopqrstuvwxyz[]\]^_
EXPANDED PRINT

**10-Pitch Character Set**

!"#$%&'()*)+,-./0123456789:;<=?>
@ABCDEFGHIJKLMNOPQRSTUVWXYZ\]^_
`abcdefghijklmnopqrstuvwxyz[]\]^_
EXPANDED PRINT

**WANG**

Wang Laboratories, Inc.
One Industrial Avenue, Lowell, MA 01851, Tel. (617) 459-5000, TWX 710-343-6769, Telex 94-7421
setting. Other features include frontload and bottomload paper feed, forms-tractor paper advance, an audio alarm, and a full-line character buffer.

Printer control is completely programmable via an extensive selection of control codes. An electronic Direct Access Vertical Format Unit (DAVFU) can be loaded under program control to establish the vertical format. The DAVFU utility is available on all 2200 series operating systems. Other codes permit the following functions: highlighted printing (expanded print and underscore), full and partial line feeds, vertical line density of six or eight lines per inch, carriage return, form feed, and pitch selection.

**MODEL 2235 LINE PRINTER SPECIFICATIONS**

**Size**
- Height: 9.5 in. (24.1 cm)
- Height (with stand): 36.8 in. (93.3 cm)
- Depth: 20.9 in. (53.0 cm)
- Depth (with stand): 27.0 in. (68.6 cm)
- Width: 27.0 in. (68.6 cm)

**Weight**
- 68.0 lb (30.8 kg)

**Speed**
- 222 cps (12.2-pitch)
- 181 cps (10-pitch)

**Character Configuration**
- 7 x 9 dot matrix (12.2-pitch)
- 9 x 9 dot matrix (10-pitch)
- 10 or 12.2 characters per inch (4 or 4.8 characters per centimeter) horizontally
- 6 or 8 lines per inch (2.4 or 3.2 lines per centimeter) vertically

**Character Set**
- Full ASCII 96 characters, both uppercase and lowercase

**Line Width**
- 132 characters per line (10-pitch)
- 158 characters per line (12.2-pitch)

**Ribbon**
- Cartridge ink ribbon, recirculating

**Switches/Indicators**
- ON/OFF, SELECT, FORM OVERRIDE, CLEAR, TOP OF FORM, LINE FEED, Paper Out indicator, Power On indicator, Servo Fuse indicator, Malfunction indicator, and Select indicator

**Programmable Control Functions**
- Audio Alarm, Line Feed, Form Feed, Vertical Tab, Underscore, Expanded Print, Top of Form, Carriage Return, Suppression of Line Feed Following a Carriage Return, Clear Buffer, Select 10- or 12.2-Pitch, Load Vertical Format Unit (VPU), VFU Channel Skip, Skip VFU Lines, Select Vertical Line Density, Select Font, Superscript and Subscript Printing (Partial Line Feed)

**Cable**
- 12 ft (3.66 m) cable with connector to CPU

**Controller**
- Standard Wang Printer/CPU Interface

**Power**
- 115 or 230 VAC ± 10%
- 50 or 60 Hz ± 1 Hz
- 0.8 amps, 92 watts

**Fuses**
- 3.0 amp (SB) for 115 VAC
- 1.5 amp (SB) for 230 VAC
- 2.5 amp (SB) for DC carriage motor

**Operating Environment**
- 50° F to 90° F (10° C to 32° C)
- 35% to 65% relative humidity, noncondensing

**Accessories**
- Optional stand (Model 8005-5)
PAPER SPECIFICATIONS

Paper Size
Maximum width . . . 14.9 in. (37.8 cm)
Minimum width . . 3.5 in. (8.9 cm)
Maximum number . . five copies plus original

Paper Stock
Material . . . margin-perforated, fan-fold
card or paper stock

Single part forms . . . 15 to 20 lb bond
Multipart forms
  2 ply . . . 15/15 lb bond, 7 lb carbon
  3 ply . . 15/12/15 lb bond, 7 lb carbon
  4 ply . . 12/12/12/15 lb bond, 7 lb carbon
  5 ply . . 12/12/12/12/15 lb bond,
            5 lb carbon
  6 ply . . 12/12/12/12/12/15 lb bond,
            5 lb carbon

Forms Length (Continuous Forms Paper)
Maximum . . . . . . . . . . . . . . 24 in. (61.0 cm)
Minimum . . . . . . . . . . . . . . 1 line

Forms Thickness
Maximum in print area . . . . . . . . 0.018 in. (0.046 cm)
Over crimps in margin . . . . . . . . 0.030 in. (0.076 cm)

Sprocket Holes
Must run along both margins 0.25 ± 0.03 in.
(0.0635 ± 0.076 cm) from the paper edge
to hole center lines.

Distance between hole centers must be 0.5 ±
0.006 in. (1.27 ± 0.0127 cm), nonaccumulative
in any 5 in. (12.7 cm) length.

Hole diameters must be 0.156 ± 0.005 in.
(0.396 ± 0.0127 cm); the two top and bottom
drive holes (four per sheet) can be up to 0.2 in.
(0.51 cm) in diameter to permit post or ring
binding of output.

Distance between hole centers across the sheet
must be uniform within 0.015 in. (0.038 cm) to
a maximum of 12.31 in. (31.27 cm).

When using preprinted forms, the pinhole
center in the left margin cannot be less than
0.375 ± 0.0625 in. (0.95 ± 0.16 cm); the pin-
hole center in the right margin cannot be less
than 0.375 ± 0.0625 in. (0.95 ± 0.16 cm).

Fastening Multipart Forms
For improved forms handling, use glued marg-
gins; otherwise, fasten with crimps every 2 in.
(5.1 cm) along both edges.

Crimps must not come closer than 0.5 in. (1.3
cm) to the fanfold; each crimp must have four
prongs, two to enter both form and carbon, and
two to enter forms only.

When using forms with wide and narrow copies
in the same set, the top copy should be the
widest.

ORDERING SPECIFICATIONS
A bidirectional matrix printer providing com-
plete alphanumeric printing capability to the
Wang 2200 series product line. It must print at
a rate of 222 cps (12.2-pitch) and 181 cps
(10-pitch), using a 7 x 9 dot matrix (12.2-pitch)
and a 9 x 9 dot matrix (10-pitch). It must print a
full 96 character ASCII set in both 10- and
12.2-pitch with both uppercase and lowercase
characters. It must print in expanded sizes and
respond to ASCII control codes. It must also
respond to a series of format and function con-
rol codes and all printable characters must be
fully programmable. It must print a 132-
character (10-pitch) or 158-character
(12.2-pitch) line at six or eight lines per inch
and have a full-line buffer.

Standard Warranty Applies
United States

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  - Tucson
- California
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  - Emeryville
  - Fountain Valley
  - Fresno
  - Inglewood
  - Sacramento
  - San Diego
  - San Francisco
  - Santa Clara
  - Ventura
- Colorado
  - Englewood
  - Highlands Ranch
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  - Wethersfield
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  - Lansing
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  - Long Lake
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  - New Ulm
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- Mississippi
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  - Meridian
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  - Bridgewater
  - Camden
  - Newark
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  - Woodburn
- Pennsylvania
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  - Bethlehem
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- Rhode Island
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International Offices

- Australia
  - Wang Computer Pty., Ltd.
    - Adelaide
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    - Canberra
    - Milsons Point (Sydney)
    - South Melbourne
    - West Perth
- Austria
  - Wang Gesellschaft, m.b.h.
    - Vienna
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  - Wang Europe, S.A.
    - Brussels
    - Erpe-Mere
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    - Calgary, Alberta
    - Don Mills, Ontario
    - Edmonton, Alberta
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  - Toronto, Ontario
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  - Dijon (Bourgogne)
  - Dischheim (Strasbourg)
  - Ecully (Lyon)
  - Nantes
  - Toulouse Cedex
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  - Hong Kong
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  - Wang Computer Ltd.
  - Tokyo
- Netherlands
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  - Leusden
  - Groningen
- New Zealand
  - Wang Computer Ltd.
  - Auckland
  - Wellington
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  - Panama City
- Puerto Rico
  - Wang Computadoras
  - San Juan
- Singapore
  - Wang Computer (Pte.) Ltd.
  - Singapore
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  - Argentina
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    - Bern
  - Geneva
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- Taiwan
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    - Taipei
  - Kaohsiung
- United Kingdom
  - Wang UK Ltd.
    - Birmingham
  - London
  - Manchester
- West Germany
  - Wang Laboratorien, GmbH
    - Frankfurt
    - Berlin
    - Dusseldorf
    - Essen
    - Freiburg
    - Hamburg
    - Hannover
    - Kassel
    - Koln
    - Munchen
    - Nurnberg
    - Saarbrucken
    - Stuttgart

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