

# P20

## Thermal Receipt Printer

### Features

- Cost-effective, Energy-efficient Thermal Printer
- Multiple Easy To Use Features
- Prints Crisp, Clear Characters Logos and Barcodes
- Low Power Consumption
- Paper Savings Option
- Compatible with KEP instruments with RS-232

### Description:

KEP's cost effective, energy-efficient P20 thermal printer is ideal for use with KEP products that support RS-232. It combines basic printing functionality with high reliability and ease-of-use features. The P20 prints both text and graphics on receipts at speeds up to 200mm second. It also features crisp, clear printing of logos and barcodes. In addition, the P20 offers paper saving options that can reduce paper usage by up to 30 percent. The P20 comes with everything you need in one box for quick setup and installation. The box includes manuals, drivers, utilities, cables, external power supply and easy to use software tools to speed set-up and installation.

### Specifications

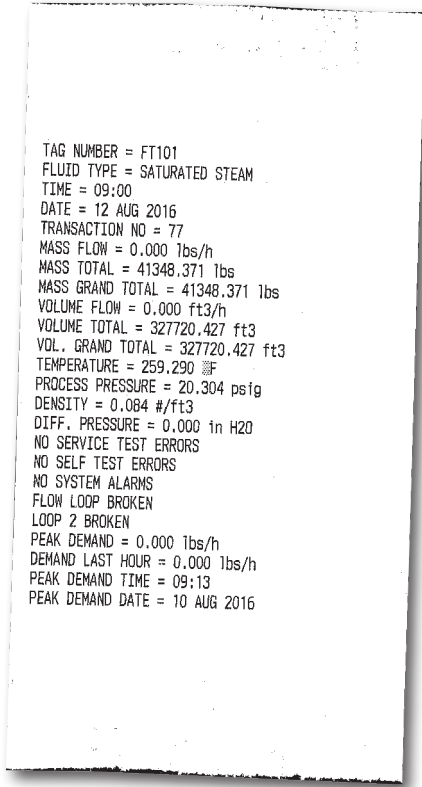
|                     |  |
|---------------------|--|
| Print method        | Thermal line printing  |
| Print speed         | Max. 200mm/sec (5.91 in/sec)   |
| Print font          |  |
| Font                | 9 x 17 and 12 x 24 dots/character (W x H)  |
| Column capacity     | Standard: Paper width 80mm: 48/64; Paper width 58mm: 35/46<br>42 Column Mode: Paper width 80mm: 42/60; Paper width 58mm: 42/31   |
| Character size      | 0.88 x 2.13 and 1.25 x 3 mm (W x H)  |
| Character set       | 95 Alphanumeric, 18 set International, 128 x 43 Graphic. Barcode: UPC-A, UPC-E, JAN13 (EAN13), JAN8 (EAN), CODE39, ITF, CODABAR (NW-7), CODE93, CODE128, GS1-128, GS1 DataBar. Two-dimensional code: PDF417, QRCode, MaxiCode, 2D GS1 DataBar, Composite Symbology |
| Characters per inch | 22.6 and 16.9 cpi  |
| Paper dimensions    | 80mm: 3.13" ± 0.02" x 3.27" diameter (79.5 ± 0.5(W) x 83mm)<br>58mm: 2.26" ± 0.02" x 3.27" diameter (57.5 ± 0.5(W) x 83mm)   |



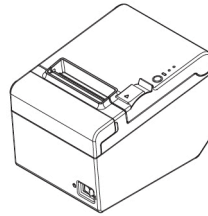
|                           |   |
|---------------------------|---|
| Reliability               |   |
| MTBF                      | 360,000 hours   |
| MCBF                      | 60,000,000 lines  |
| Autocutter                | 1.5 million cuts  |
| Interface                 | Serial, RS-232, DB25F   |
| Serial Interface Settings |   |
| Baud Rate                 | 2400bps, 4800bps, 9600bps, 19200bps, 38400bps, 57600bps, 115200bps        |
| Parity                    | None, Odd, Even   |
| Handshaking               | DTR/DSR, XON/XOFF   |
| Data Bits                 | 7 bits, 8 bits  |
| Data Receive Error        | Print "?", Ignored  |
| Power                     | 100 – 240V AC, 50/60 Hz   |
| Power consumption         | Approx. 1.8A  |
| Power supply              | External (AC cable included)  |
| D.K.D. function           | 2 drivers   |
| Overall dimensions        | 5.51" x 7.83" x 5.75" (140 x 199 x 146 mm)<br>(W x D x H)                 |
| Mass                      | 3.75lb (1.7 kg)   |
| Color                     | Dark Gray   |
| Safety standards          | UL/CSA/EN/TUV/GOST-R  |
| Installation              | Horizontal/vertical on counter/vertical on wall with wall hanging bracket |
| Temperature/Humidity      |   |
| Operating                 | 5 to 45°C {41 to 113°F}, 10 to 90% RH                                     |
| Storage                   | -10 to 50°C {14 to 122°F}, 10 to 90% RH<br>(except for paper)             |
| Installation              | For indoor use only   |



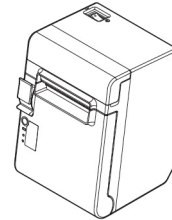
**Sample Ticket:**



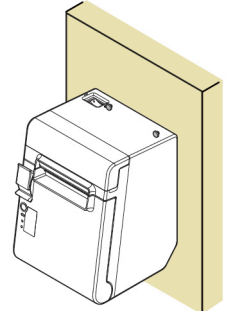
**Installation Options:**



Horizontal installation



Vertical installation



Hanging on a wall



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 Eatontown NJ 07724  
 800-631-2165 or 732-935-1320  
[www.kep.com](http://www.kep.com)

**How To Order:**

|                |   |          |
|----------------|---|----------|
| <b>EXAMPLE</b> | <b>P20</b>  | <b>N</b> |
| <b>Series</b>  | P20 Thermal Receipt Printer                                     |          |
| <b>Options</b> | N = NEMA 4X Wall Mount Enclosure with sub-panel & duplex outlet |          |

**Accessories**

- P2CA25M9ML6 = 6' Serial Cable for SUPERtrol I, SUPERtrol ILE, LEVELtrol II, SUPERtrol II
- P2CA25MFLL6 = 6' Serial Cable for MS716 or any Flow Computer with RS232 terminal block
- P20TPR = Thermal Paper Roll for P20 Printer