

## Compact & Versatile Narrow Carriage Impact Receipt Printer



Fashion



KTV



Restaurant



Payment counter



Hotel



Hospital

Easy Paper Loading



### TP220

- Paper width: 76mm, 58mm
- Fast printing speed: 4.7LPS
- Better connectivity with :  
Serial / Parallel / Ethernet + USB  
/ USB / Bluetooth interface
- Original + 2 Copies
- Auto cutter ( optional)



### TP230

NEW

#### Easy Paper Loading

- Paper width: 76mm, 58mm
- Fast printing speed: 4.7LPS
- Better connectivity with :  
Serial / Parallel / Ethernet + USB  
/ USB / Bluetooth + USB  
/ Wi-Fi + USB interface
- Original + 1 Copy
- Auto cutter



### DP100

- Paper width: 142mm
- Fast printing speed: 200CPS
- Better connectivity with :  
Serial / Parallel / Ethernet + USB /  
USB / Bluetooth / Wi-Fi + USB  
interface
- Original + 3 Copies



### DP100F

- Paper width: 114mm, 76mm, 58mm
- Fast printing speed: 200CPS
- Better connectivity with :  
Serial / Parallel / Ethernet + USB /  
USB / Bluetooth / Wi-Fi + USB  
interface
- Original + 2 Copies

# Compact & Versatile Narrow Carriage Impact Receipt Printer



**TP220**



**TP230**

**NEW**



**DP100**



**DP100F**

## Specification:

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|--|
| Print type                       | 9-pin impact dot matrix                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                        | 24-pin impact dot matrix                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |  |
| Print direction                  | Bi-directional with logic seeking                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
| Print width                      | 63mm, 45mm (paper width: 76mm, 58mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                        | 40 Columns (10CPI) / 101.6mm                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                       |  |
| Print speed (10CPI)              | 4.7 lps (paper width: 76mm, 40 columns)<br>6.0 lps (paper width: 58mm,30 columns)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | Super high speed 200 CPS<br>High speed 133 CPS<br>Normal 67 CPS                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
| Fonts                            | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | Draft, Roman, Sans Serif, Courier, Prestige, Script, OCR-A, OCR-B, Orator                                                                                                                                                                                                                                                                                                                                                                                              |                                                                       |  |
| Bar code                         | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | EAN-13, EAN-8, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, Code 39, Code 128 B, Code 128 C, NW-7                                                                                                                                                                                                                                                                                                                                                             |                                                                       |  |
| Character pitch                  | /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | 10CPI, 12CPI, 15CPI, proportional                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Line space                       | 1/6 inch, programmable in 1/144 inch increments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        | 1/6 inch, 1/8 inch, programmable in 1/360 inch increments                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                       |  |
| Emulation                        | EPSON ESC/POS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                        | EPSON ESC/PK2, ESC/POS, STAR320                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
| Interface                        | <div><div><br/>Parallel<br/>TP220<br/>TP230<br/>DP100<br/>DP100F</div><div><br/>Serial<br/>TP220S<br/>TP230S<br/>DP100S<br/>DP100SF</div><div><br/>Ethernet + USB 2.0<br/>TP220UE<br/>TP230UE<br/>DP100UE<br/>DP100UEF</div><div><br/>USB 2.0<br/>TP220U<br/>TP230U<br/>DP100U<br/>DP100UF</div><div><br/>Bluetooth+USB 2.0<br/>TP220UB<br/>TP230UB<br/>DP100UB<br/>DP100UBF</div><div><br/>WiFi + USB 2.0<br/>TP230UW<br/>DP100UW<br/>DP100UWF</div></div> |                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
| Buffer Memory                    | 60KB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
| Ribbon Model                     | JMR113                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | JMR132(Black): 3 million characters<br>JMR133(purple): 4 million characters<br>JMR134(Black): 1.5 million characters<br>(Red): 0.75 million characters | JMR116                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                       |  |
| Life (draft mode)                | > 3 million characters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                        | > 3 million characters                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                       |  |
| Noise (ISO7779 standard)         | <58dB(A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <65dB(A)                                                                                                                                               | <55dB(A)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                       |  |
| Paper feed type                  | Feed paper by friction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                        | Feed paper by drive tractor                                                                                                                                                                                                                                                                                                                                                                                                                                            | Feed paper by friction                                                |  |
| Paper specification              | Rolled paper, Width: 76mm/58mm<br>Roll Diameter: 83mm(Maximum)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                        | Cut sheet, Width: 76~142mm                                                                                                                                                                                                                                                                                                                                                                                                                                             | Rolled paper, Width: 57.5, 76, 114mm,<br>Roll Diameter: 83mm(Maximum) |  |
| Max paper thickness              | 0.20mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 0.30mm                                                                                                                                                 | 0.32mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                       |  |
| Copy                             | Original+2 copies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Original+1 copy                                                                                                                                        | Original+3 copies                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Original+2 copies                                                     |  |
| function                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
| Black mark detection             | √                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | √                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Automatic Pin Break Compensation | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | √                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Automatic Pin Alternation        | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | √                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Automatic Emulation Match        | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | √                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Online Parameter Setting         | √                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                        | √                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Auto Cutter                      | Optional                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | √                                                                                                                                                      | ×                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Dimension (W×D×H)                | 156mm × 236mm × 131mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 162mm × 253mm × 137mm                                                                                                                                  | 233mm × 230mm × 108mm                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                       |  |
| Weight                           | Approx. 1.9Kg / 2.1Kg (include cutter)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Approx. 2.9Kg                                                                                                                                          | Approx. 2Kg                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                       |  |
| Environmental conditions         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                       |  |
| Operating (No condensation)      | Temperature: 5~40°C, Humidity: 25%RH~80%RH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                        | Temperature: 5~35°C, Humidity: 25%RH~80%RH                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                       |  |
| Storage (No condensation)        | Temperature: -40~55°C, Humidity: ≤93%RH (40°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                        | Temperature: -40~55°C, Humidity: ≤93%RH (40°C)                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                       |  |
| Power requirements               | Input: 100~240V, 50~60Hz<br>Output: DC24V, 2.5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                        | 198~242V, 50~60Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                       |  |
| Safety marks                     | GB 4943.1 / EN 60950-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                        | EN 60950-1                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                       |  |
| Certificate                      | <div><div><br/>DNVISO14001</div><div><br/>BSIISO9001</div><div><br/>OHSAS 18001</div></div> <div><div><br/>EN60950</div><div><br/>ICES-003:2004, ClassB</div><div><br/>Fcc Part15, SubpartB, ClassB</div></div>                                                                                                                                                                                                                                      |                                                                                                                                                        | <div><div><br/>DNVISO14001</div><div><br/>BSIISO9001</div><div><br/>OHSAS 18001</div><div><br/>EN60950</div></div> |                                                                       |  |

Note: 1. The technical specifications in this catalog are the laboratory measurement data which achieved under the national standard for the storage and work environment (room temperature), the specifications of the testing papers are specified in the Users' Manual.  
2. The technical specifications are subject to change without notice.  
3. All trademarks are the properties of their respective holders.