

# Vectron Systems AG – Datenblatt Mobile Thermal printer Vectron MP20

June 2007

## Technical data – Hardware

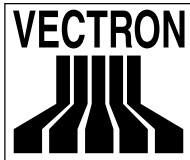
- Lightweight
  - Easy paper loading
  - Robust, shock-proof housing (drop test 1.5 m)
  - Splash-proof housing (JIS C0920 Class 2)
  - 3 hour charge cycle, up to 6 paper rolls/charge cycle (paper roll: approx. 15 m)
  - Serial, infrared and Bluetooth interfaces:  
Serial: RS-232C  
IrDA: Version 1.2 (Ir COMM protocol)  
Bluetooth: Version 1.1 (SPP profile)
  - Prints 2-D barcodes, bar code types: UPC-A, UPC-E, JAN13, JAN8, CODE 39, ITF, CODABAR, CODE 128, MAXI, PDF417, QR
  - Dot structure: 384 dots/line
  - Dot pitch horizontal / vertical: 0.125 mm each
  - Effective print area: 48 mm
  - Paper roll: width 58 mm, inner diameter 8 mm, outer diameter 36 mm max.
  - Paper thickness: 60 to 80 µm (there may be exceptions)
  - In contrast to mobile printers of competitors this one does not require expensive, coated thermal paper, specified paper:  
Highly sensitive paper: TF-50KS-E4 (Nippon Paper)  
Standard paper: FTP-020P0704, TF-60KS-E (Nippon Paper), PD150R (Oji Paper)  
Medium-term storage paper: TF60KS-F1 (Nippon Paper), PD170R (Oji Paper), P220VBB-1 (Mitsubishi Paper), FH65BC-3H (Oji Film)  
Long-term storage paper: PD160R-N (Oji Paper), AFP-235 (Mitsubishi Paper)
  - Maximum printing speed: max. 40 mm/sec. at 12.5% print ratio
  - Character dimensions (W x H mm), number of characters:  
12 x 24 dots (1,5 x 3,0 mm), 32 columns  
24 x 24 dots (3,0 x 3,0 mm), 16 columns  
8 x 16 dots (1,0 x 2,0 mm), 48 columns  
16 x 16 dots (2,0 x 2,0 mm), 24 columns
  - Logo print with permanent logo storage in a non volatile Flash-memory
  - Power: Battery 3.7VDC lithium ion battery (1700 mAh); AC Adapter: 100VAC to 240VAC adapter #20
  - Power consumption: 1.6 A printing (print ratio 12,5%) standby 30 - 60 mA
- Expected Life:  
Head: Wear resistance 50 km  
Battery: One charge 100 m (at 12.5% printing ratio), 300 charge cycles  
Paper Holder: 5000 times open / close
  - Environmental conditions:  
Operating temperature 0 ... +50°C (0 ... +40°C guarantee of print quality)  
Operating humidity 30 ... 85% RH (no condensation)  
Storage temperature -20 ... +60°C  
Storage humidity 5 ... 90% RH (no condensation)
  - Others: Page mode, enlarge characters

Certified: CE, UL, FCC Class B, FCC Part 15



# Vectron

Leading in POS Technology



# Vectron Systems AG – Datenblatt Mobile Thermal printer Vectron MP20

June 2007

## Shipment

Shipment of the printer MP20 comprises:

- Printer Vectron MP20 (Art.-no. 30070350)
- Printer battery MP20
- Power supply printer MP20
- Power cord EU or US
- Printer MP20 belt clip
- User manual (English)
- Dispatch box

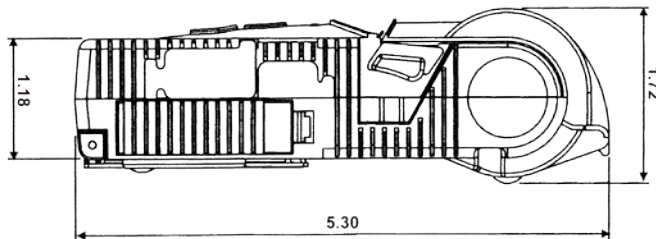
## Optional accessories

- Power cord EU (Art.-no. 30074001)
- Power cord US (Art.-no. 30074007)
- Printer battery (Art.-no. 30074002)
- Paper cylinder (Art.-no. 30074003)
- Belt clip (Art.-no. 30074004)
- Power supply (Art.-no. 30074005)
- External charging device (Art.-no. 30074006)

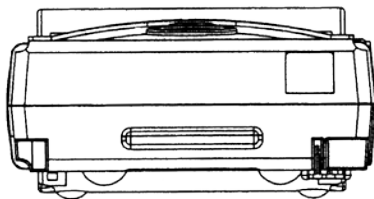
## Weight

- 275 g (battery and belt clip included)

## Dimensions (in inch\*)

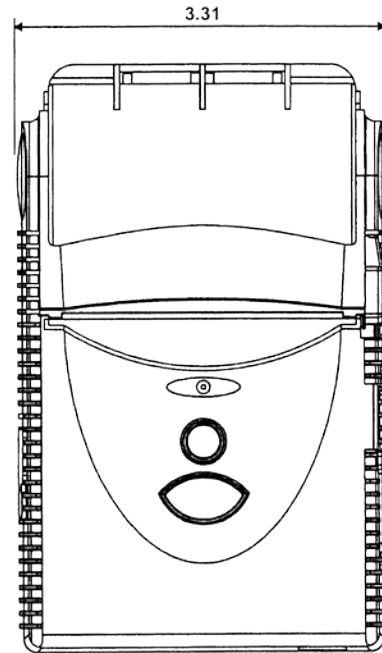


Side view



Front view

\* 1 inch = 25.4 mm



View from  
the top

## Vectron MP20 external charging device

- Input: 100 - 240V AC; 16VA; 50-60Hz
- Output: 4.2V DC; 630 mA
- Dimensions: 2.56 x 3.15 x 0.98 inch (WxHxD)
- Released for: Printer battery MP20 (Art.-no. 30074002)
- Certified: CE



# Vectron

Leading in POS Technology