



# IC-1800



(1D CCD Wire Handheld Barcode Scanner)

| <b>Technical Parameters</b>        |   |
|------------------------------------|---|
| <b>Electrical Characteristics</b>  |   |
| Interface                          | USB   |
| Voltage requirement                | DC5V±10%  |
| Current consumption                | Max :138mA  |
| <b>Optical Characteristics</b>     |   |
| Photo sensor                       | CCD linear sensor   |
| Sensor Resolution                  | 2500Pix   |
| Light source                       | 632nm red LED   |
| <b>Performance Characteristics</b> |   |
| Scan Rate:                         | 350±50 (scans/second)   |
| Decode angle                       | Pitch angle : ±70°<br>Skew angle : ±85°<br>Tilt angle : ±45°    |
| Min resolution                     | 0.101mm/4mil (PCS 0.9)  |
| Min.PCS value                      | > 25%UPC/EAN 13 (13mil)   |
| Curvature                          | R≥15 mm (EAN8), R≥20 mm (EAN13)<br>(resolution=0.26mm, PCS=0.9) |
| Language                           | Multiple languages  |
| Error rate                         | 1/500W  |

|                                      |  |
|--------------------------------------|--|
| Identification                       | EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey |
| <b>Physical Characteristics</b>      |  |
| Dimensions                           | 97 mm x 67 mm x165mm (L*W*H)   |
| Weight                               | 178.9g   |
| <b>Environmental Characteristics</b> |  |
| Temp                                 | -20°-65°C / -4°to 149°F(operation)<br>-30°- 70°C /-22°to 158°F(storage)  |
| Humidity                             | 5 - 90% (operation) ) 5 - 90% (storage)  |
| Ambient Light:                       | fluorescent light 4000 lx max , direct sun light 80,000 lx max ,white light 4000 lx max  |
| Shock drop test                      | 2m drop onto concrete surface  |

## Depth of field

| Symbology | Resolution mm(mil) | Depths of Field | Digits |
|-----------|--------------------|-----------------|--------|
| Code 39   | 20mil              | 5-60cm          | 4      |
| Code 128  | 5mil               | 4-13cm          | 12     |
| Code 39   | 6.67mil            | 3-15cm          | 16     |
| Code 128  | 15mil              | 3-50cm          | 7      |
| Code 128  | 20mil              | 5-50m           | 8      |
| EAN 13    | 13.34mil           | 2-40m           | 13     |

