Metrologic®

# IS1000 Series

*Features*

- ***Small and lightweight: approximately 170 gr***
- ***Independent operation: scans up to 50,000 barcodes***
- ***Completely shockproof design***

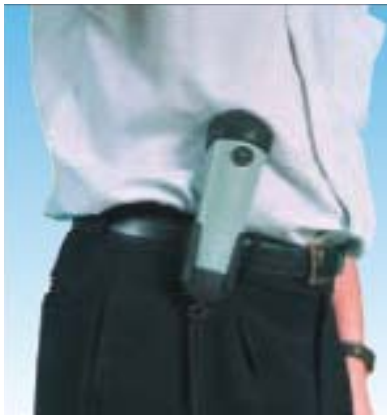
These three outstanding features make IS1000 Series a must for order initiators, checkout counter operators, incoming goods receivers, storekeepers, etc. In short, all sectors of logistics, transportation, industry and retailing will greatly benefit from using IS1000 Series.

Its shape, weight and wrist strap allow the operator to keep IS1000 Series on the wrist during work without fatigue and without having to worry about dropping or forgetting it.

A wireless bar code scanner designed for the logistical, industrial and retail sectors, IS1000 Series includes a handheld scanner, with a radio, a battery, and a base station interfacing with the host or fixed terminal.

Data security
- Bi-directional radio link.
- Acknowledgement of received data.
- Programmable (loudness) audio signal for confirming scan of the barcode and data transmission.

Flexible operation
- The scanner is hooked up to the host simply by reading the ID barcode on the base station.
- Several dozen (up to 50) IS1000 Series can be used at the same on the same radio channel and on the same geographical location without creating any interface.
- Supports a wide range of interfaces.Can be connected to more than 800 different data terminals, the base station integrates a master BB+.



# IS1000 Series

## Operational

| | |
|---|---|
| Light Source | Visible Laser Diode (VLD)<br>Standard: 680 nm<br>Long Range: 650 nm |
| Laser Power | Standard: 1.26 mW<br>Long Range: 1.35 mW |
| Depth of Field | Standard: 7.6 cm to 101.6 cm<br>Long Range: 20 cm to 2.5 m<br>(depending on resolution, contrast and ambient light) |
| Scan Speed | Standard: 42 scans/second<br>Long Range: 36 scans/second |
| Min Bar Width | Standard: 0.127 mm (5 mils)<br>Long Range: 0.254 mm (10 mils) |
| Skew | <±55° from nominal |
| Pitch | <±65° |
| Bar Code Reading | Code 39, Pharma 32/39, Interleaved 2/5, UPC/EAN, Monarch/Codabar, Code 128, EAN 128, Standard 2/5, MSI, Plessey, Telepen, Code 93, Matrix 2/5, IATA, BC412 (special order), 3W7 |
| Interfaces | RS232 standard and TTL (PC, POS, Notebook)<br>Keyboard-Wedge (PC, Apple, Wyse, Notebook)<br>RS485 (for IBM46xx ports 5B, 9B and 17)<br>RS422 with adapter<br>OCIA for POS<br>Light pen emulation<br>Laser emulation<br>USB |

To initialize laser reader and its base, just read ID bar code located on the top of the base.

## Mechanical

| | |
|---|---|
| **Laser Reader** | |
| Dimensions | 192 mm (L) x 56 mm (W) x 49 mm (H)<br>(excluding wrist strap) |
| Weight | Approximately 170 g (with standard laser) |
| Case Material | Polycarbonate plastic |
| **Radio Base** | |
| Dimensions | 144 mm (L) x 115 mm (W) x 57 mm (H) |
| Weight | Approximately 260 g (standard base) |
| Case Material | ABS plastic |
| Base Termination | SUB-D 25 pin female connector |
| **Battery Charger** | |
| Dimensions | AC adapter: 77 mm (L) x 75 mm (W) x 50 mm (H)<br>Connector: 60 mm (L) x 43 mm (W) x 43 mm (H) |
| Weight | Approximately 300 g |
| Case Material | Polycarbonate plastic |
| **Holster** | |
| Dimensions | 57 mm (L) x 56 mm (W) x 43 mm (H) |
| Weight | Approximately 25 g |
| Case Material | Polypropylene |
| **Battery Charger Mounting Plate** | |
| Dimensions | 280 mm (L) x 100 mm (W) x 17 mm (H) |
| Weight | Approximately 450 g |
| Case Material | Laminate |

## Radio

| | |
|---|---|
| Equipment freely available for use without requiring a license or payment of a fee | |
| Frequency | 433 MHz band (European ETS 300 220 standard) |
| Channels | Selection, by bar codes, of 6 channels |
| Range | Up to 40 meters |

## Environment

| | |
|---|---|
| Operating Temperature | -10°C to +50°C |
| Storage Temperature | -20°C to +60°C |
| Humidity | 5% to 95% non-condensing |
| Shock Resistance | 1.5 m drop onto concrete surface |
| Protection rating | IP53 (IP65 for optional industrial radio base version) |

## Electrical

| | |
|---|---|
| Battery | Lithium-ion 630 mA/H |
| Battery autonomy | Up to 50,000 scans |
| Battery Charging Time | Approximately 3 hours for a complete charge |
| Battery Charger Power Supply | By AC / 5 VDC - 300 mA power supply unit |
| Radio Base Power Supply | By your terminal or externally, by optional AC / 12 VDC - 300 mA power supply unit |
| Radio Base Consumption | 100 mA at 12 V |


MLPN: DSIS1000

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