RF HAND HELD SCANNER

ScanPlus™ 1802 and MicroBar™ 9735

Benefits:

- Cable free design for exceptional mobility and safety

- Range up to 15m from base station

- Multiple scanners can interface with a single base station

- 7,000 scans for a full day's use

- Bi-directional communication

- Completely integrated, ergonomic design and light weight for easy use

- Short or extended scanning ranges

- More than 1500 interfaces available

- Use of EasySet™ setup software (for Windows) for quick and easy installation

With its innovative wireless design, the handheld bar code scanner ScanPlus 1802, part of the ScanPlus 1800 series, brings cordless technology to the Retail, Health Care, Office and Light Industrial environments. Scanning is made easy and all bar codes are within reach. Also the scanner's unique ergonomic shape and light weight (232 g/8.2 oz.) makes it more comfortable to use.

With an operating range of up to 15 meters and an autonomy of 7,000 scans, the ScanPlus 1802 offers exceptional performance. The battery pack (NiMH technology) is quickly recharged by the advanced two bay high speed charger for another day of intensive use. In addition, the ScanPlus 1802 uses the latest scanning technology for fast reading and decoding.

ScanPlus 1802 is highly flexible: with a choice between CCD and laser scanning devices, combined with the capability of connecting with more than 1500 interfaces, ScanPlus 1802 can match the requirements of the most demanding applications.

Data transmission is very efficient with narrow band technology (433MHz and 908MHz). The two way communication system between the scanner and its base station allows real time transmission control and acknowledgement, to ensure complete reliability.

The MicroBar 9735 base station can interface with multiple wireless scanners and up to 4 input devices. As with the MicroBar 9730, it offers extremely advanced data formatting capabilities.

Engineered with the operator in mind, a scanner is associated to its base simply by reading the Association Bar Code on the MicroBar 9735. To work in an other area, an operator needs only to scan the bar code on the corresponding base. Furthermore, the capability of interfacing multiple scanners to a unique base provides an extremely cost efficient solution.

In common with most Intermec scanners, ScanPlus 1802 is compatible with EasySet setup software for the fastest on line or off line configuration.

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ScanPlus™ 1802 and MicroBar™ 9735

General description

A high performance and compact wireless handheld bar code scanner for Retail, Office, Health-Care and Light Industrial applications.

Models available include the ScanPlus 1802 SR(CCD) and ST (Laser).

Physical characteristics

ScanPlus 1802

Length: 18 cm (7")

Width at head: 6.4 cm (2.5")

Width at handle: 3.3 cm (1.3")

Weight: 232g (8.2 oz.) (inc. battery)

MicroBar 9735

Length: 8.5 cm (3.35")

Width: 8.4 cm (3.3")

Height: 4.2 cm (1.6")

Weight: 84g (3 oz.)

Design features

Processor: Custom chip (ASIC inc. DSP processor) for fast signal processing and decoding. Flash memory.

SR Optics: CCD linear image sensor with sharp aiming beam. Light source: red, long life LEDs.

ST Optics: visible Laser diode @ 670 nm. Laser class 2 IEC 825-1/CDRH Class II

Radio: 433MHz and 908MHz narrow band

Performances

SR Models:

Scan rate: 400 scans per sec max

Minimum X dim: 0.1 mm (4 mil)

Skew: +- 65°

Pitch: +- 70°

Depth of field: up to 10 cm (4") depending on code

> 0.1 mm (4mil): 0-2 cm (0-0.8")
> 0.254 mm (10mil): 0-4cm (0-1.6")
> 100% EAN/UPC: 0-5.5 cm (0-2.1")
> 0.38 mm (15 mil): 0-6 cm (0-2.4")
> 0.5 mm (20 mil): 0-7 cm (0-2.7")
> 0.7 mm (27 mil): 0-10 cm (0-4")

PCR: 25% min.

Code width: 12 cm (4") max (X above .254/10 mil)

ST Model:

Scan rate: 36 scan/sec

Minimum X dimension: 0.125 mm (5 mil)

Skew: +- 55°

Pitch: +- 65°

Depth of field: up to 50 cm, depending on code:

> 0.125 mm (5 mil): 2.5-8 cm (1.3")
> 0.254 mm (10 mil): 0-20 cm (0-7.9")
> 100% EAN/UPC: 0-25cm (0-10")
> 0.38 mm (15 mil): 0-30 cm (0-12")
> 0.5 mm (20 mil): 0-50 cm (0-20")

PCR: 25% minimum

Bar Codes supported

All Models: UPC E, A, EAN, Code 39; Interleaved, Matrix, Industrial and standard 2 of 5; Code 128, UCC EAN 128, Codabar, Code 93, MSI, Plessey.

Environmental characteristics*

Operating temperature:
0° to 40°C (32° to 104°F)

Storage temperature:
-20° to 55° (-4° to 131°F)

Relative humidity: 10% to 90% non-condensing

Shock: withstand multiple drops of 1 m (3.2 ft) to concrete.

Approvals:

908MHz: UL listed, cUL listed, UL 1950

433MHz: TÜV-Rheinland GS licensed EN60950, CE marked

Radio

Range: up to 15 meters (16.5 yds)

Frequency:
European version: unlicenced 433 MHz
U.S. version: unlicenced 908MHz

Approvals:
European version: EN 300 220-1
U.S. version: FCC Part 15.249

Base Station MicroBar 9735

Interfaces: RS 232 C, Wedge to PC keyboards, including, including IBM, Apple Mac, and many retail terminals (including IBM 3XXX, NCR, Wyse, etc.)

Wireless Devices: possibility to connect multiple wireless scanners

Input Devices: up to 4 input devices

Power requirements: +5VDC (+/- 5%)

Advanced Data formatting: Pre and postambules (20 characters + 2 characters for AIM symbology identifiers), port address (15 characters), masking and re-ordering function.

Battery Pack

600mAh, NiMH, 3.6V

Capacity: up to 7,000 scans

Charger

Modular 2 bay charger 110/240 VAC

Battery Recharge time: 3 hr max.

Size: 200x 120x75 mm

1802 ST only: US DHHS Standard 21 CFR 1040, 10 and 1040,11 (1994) as a Class II Laser product, IEC 825-1 (1993), EN60825-1 (1994) Class 2.

CAUTION

LASER RADIATION – DO NOT STARE INTO BEAM
0.54mW MAX OUTPUT – 28ms PULSE DURATION
670nm LASER DIODE – CLASS II LASER PRODUCT

This product complies with US DHHS Standard 21CFR 1040.10 and 1040.11 (1994) as a Class II Laser Product.

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