Magellan® 8100

High Performance Scanner and Scanner/Scale

High Performance Scanning For The Point-Of-Sale (POS)

The Magellan® 8100 scanner and Magellan® 8100 scanner/scale are entry level members of PSC's high-performance Magellan® line for large volume, point-of-sale applications. They feature PSC's patented 360-degree scan pattern for ergonomically correct scanning when seated or standing. In addition, the Magellan 8100 uses the patented All-Weighs™ platter for reducing shrink. Select from five different Magellan® 8100 models to fit your particular application and checkstand designs.

Every Magellan® 8100 also includes FirstStrike™, PSC's advanced decoding software for reading torn, poorly printed and disfigured labels of all types. FirstStrike has the ability to autodiscriminate all supported symbologies for added flexibility and features optional support for Reduced Space Symbology (RSS).
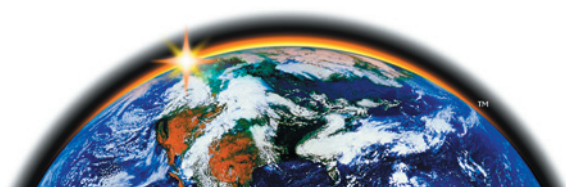
Versatility By Design

The Magellan® 8100 has a powered auxiliary RS232 port for integrating a PSC handheld scanner for those large or heavy items that are often left in the shopping cart. This port can also be used to update the scanner's software in Flash Memory. Additionally, the Magellan® 8100 can be equipped for full electronic article surveillance (EAS) functionality, including Interlock, for one step scanning and security tag deactivation.

Adding even more value to the POS environment, the Magellan® 8100 features host diagnostic reporting software. This software is used to monitor and report the scanners health to its host. It can prevent scanner downtime by quickly warning management of potential problems before they actually happen.

Easy POS Integration

Since the Magellan® 8100 is from PSC you can count on easy installation and years of worry free operation. The Magellan® 8100 has the same familiar form factor as the Magellan SL® so it installs easily into both new and existing point-of-sale configurations. It also supports industry standard host terminal interfaces, including RS232, IBM 46XX, and IBM USB. In addition, the Magellan® 8100 is compatible with OPOS and JavaPOS systems allowing for even greater integration flexibility at the point-of-sale.

"Nothing Beats a Magellan®"

Features:

- Efficient and ergonomic 360° Scan Volume
- Patented All-Weighs™ Platter
- FirstStrike™ Advanced Decoding Software
- Flash Memory for easy upgrades
- Powered auxiliary RS232 port for easy integration of a handheld scanner
- Host diagnostic reporting
- Optional RSS decoding capability
- Optional EAS functionality

Specifications
Magellan® 8100

*These product Specifications are subject to change without notice. Additional information concerning this product or other PSC products and services can be found at the PSC website: **www.pscnet.com** or contact your PSC representative for more information.*

Mechanical

Length & Weight

Model 8100 (short scanner)
13.9" / 35.3 cm & 13.0 lbs. / 5.9 kg

Model 8101 (medium scanner)
15.7" / 39.9 cm & 15.0 lbs. / 6.9 kg

Model 8102 (medium scanner/scale)
15.7" / 39.9 cm & 18.0 lbs. / 8.2 kg

Model 8103 (long scanner)
20.0" / 50.8 cm & 15.0 lbs. / 6.9 kg

Model 8104 (long scanner/scale)
20.0" / 50.8 cm & 20.0 lbs. / 9.1 kg

Width: 11.5" / 29.2 cm

Depth (below counter): 4.1" / 10.5 cm

Height (above counter): 5.2" / 13.1 cm

Scale Capacities

Capacity: 30.0 lbs. / 9.99 kg – 15 kg (interface dependent)

Minimum increment: 0.01 lb. / 0.005 kg

Vibration immunity: 4 programmable filter settings

Maximum static weight: 150 lbs. / 68 kg

Adjustments required: Calibration only

Optical

Scan lines: 48
Motor speed: 4 500 rpm
Scan rate: 3,600 lines/sec.
Scan zone: 360°
Sides read: 5
Read height: 6.0" / 15.2 cm

Environmental

Temperature rating

Operating: 50° to 104° F / 10° to 40° C

Storage: -40° to 158° F / -40° to 70° C

Humidity: 5 to 95% NC

Electrical

AC Power requirements:

100-250 VAC, 50-60 Hz; 14 Watts (nominal), 17 Watts (maximum), 8 Watts (sleep mode)

Decoding Capability

The Magellan® 8100 autodiscriminates between the following supported symbologies:

UPC Versions A & E
UPC Supplementals (Bookland & Coupon Code)
UPC Add-ons (sub 2 or P2, sub 5 or P5 & C128)
Plural Stage Dual UPC
Reduced Space Symbology – *Optional* (RSS-14, expanded and stacked)
EAN 8, 13
JAN 8, 13
UCC/EAN 128
Code 39 (with full ACCIII)
Code 128
Code 93
I 2 of 5
Italian Pharmacode
Codabar/NW7
MSI/Plessey

Communications

Host: IBM 46XX, Single & Dual Cable RS232, IBM USB

Other: Powered RS232 auxiliary port; scale host port; remote scale display port; EAS interlock port

Safety / Regulatory

Electrical: AS/NZS 60950 (Australia); CSA-C22.2 No.60950 (Canada); EN60 950 (TÜV Europe); PSE Mark (Japan); UL 60950 (USA)

Emissions: FCC part 15, Class B (USA); AS/NZS 3548 (Australia/New Zealand); EN 55022-B (Europe); VCCI-B (Japan)

Laser safety: Class IIa Laser Product (CAUTION: Laser Light – do not stare into beam); IEC 825 Class 1, EN60 825 Class (Europe)

Weights and measures: Australia; Canada; 90/384/EEC (Europe); Mexico; New Zealand; USA (NIST Handbook 44)

Contact your PSC representative for certification schedule and additional listings.

Other

EAS compatability: Integrated EAS hardware will work with Counterpoint IV, V, VI, and VII models available from Checkpoint® Systems.

Good read acknowledgement with Sensormatic.