

# Magellan® 8100Ω

With OmegaTek™ Productivity Technology

## Data Sheet

### Mechanical

#### Length & Weight

Model	Scanner/Scale	Length	Weight
8100Ω	short scanner	35.3 cm / 13.9"	5.9 kg / 13.0 lb.
8101Ω	medium scanner	39.9 cm / 15.7"	6.9 kg / 15.0 lb.
8102Ω	med. scanner/scale	39.9 cm / 15.7"	8.2 kg / 18.0 lb.
8103Ω	long scanner	50.8 cm / 20.0"	6.9 kg / 15.0 lb.
8104Ω	long scanner/scale	50.8 cm / 20.0"	9.1 kg / 20.0 lb.

Width: 29.2 cm / 11.5"

Depth (below counter): 10.2 cm / 4.0"

Height (above counter): 13.0 cm / 5.1"

#### Scale Capacities

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

Minimum increment: 0.005 kg / 0.01 lb.

Vibration immunity: 4 programmable filter settings

Maximum static weight: 68 kg / 150 lb.

Adjustments required: Calibration only

### Optical

Scan lines: 48

Motor speed: 4500 rpm

Scan rate: 3,600 lines/sec.

Scan zone: 360°

Sides read: 5

Read height: 15.2 cm / 6.0"

### Environmental

#### Temperature rating

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

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

Humidity: 5 to 95% NC

### Decoding Capability

The Magellan® 8100Ω 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)
- Reduced Space Symbology (RSS-14, expanded & stacked)
- EAN 8, 13
- JAN 8, 13
- EAN/JAN two label
- UCC/EAN 128
- Code 39 (with full ASCII)
- Code 128
- Code 93
- Interleaved 2 of 5
- Italian Pharmacode
- Codabar/NW7
- MSI/Plessey

### Electrical

#### AC Power requirements:

100-250 VAC, 50-60 Hz

8 Watts (nominal)

12 Watts (maximum)

4 Watts (sleep mode)

### Communications

Host: Choose from: IBM 46XX, RS-232, or IBM USB.

#### Other:

Powered RS-232 auxiliary port

Scale host port

Remote scale display port

EAS interlock port

### Safety & Regulatory

**Electrical:** IRAM (Argentina); 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); CISPR 22-B, 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 compatibility:** Integrated EAS hardware will work with Counterpoint IV, V, VI, and VII models available from Checkpoint® Systems.

**Good Read** acknowledgement with Sensormatic®.

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### Features:

- OmegaTek™ Productivity Technology
- Enhanced All-Weights™ Platter
- Aggressive & ergonomic 5-sided scanning
- Supports all popular host interfaces
- FirstStrike™ Advanced Decoding Software
- Flash memory for easy, low cost upgrades
- Powered auxiliary RS-232 port for easy integration of a handheld scanner
- Host Download
- Diagnostic Reporting
- RSS Decoding
- Optional EAS functionality
- Sunrise 2005 Compliant



"Nothing Beats a Magellan®"



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