**Magellan® 8100Ω**

**With OmegaTek™ Productivity Technology**

### Mechanical

**Length & Weight**

<table>
<thead>
<tr>
<th>Model</th>
<th>Scanner/Scale</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>81000</td>
<td>short scanner</td>
<td>13.9&quot; / 35.3 cm</td>
<td>13.0 lb / 59 kg</td>
</tr>
<tr>
<td>81010</td>
<td>medium scanner</td>
<td>15.7&quot; / 39.9 cm</td>
<td>15.0 lb / 6.9 kg</td>
</tr>
<tr>
<td>81020</td>
<td>med. scanner/scale</td>
<td>15.7&quot; / 39.9 cm</td>
<td>18.0 lb / 8.5 kg</td>
</tr>
<tr>
<td>81030</td>
<td>long scanner</td>
<td>20.0&quot; / 50.8 cm</td>
<td>15.0 lb / 6.9 kg</td>
</tr>
<tr>
<td>81040</td>
<td>long scanner/scale</td>
<td>20.0&quot; / 50.8 cm</td>
<td>20.0 lb / 9.1 kg</td>
</tr>
</tbody>
</table>

Width: 11.5" / 29.2 cm
Depth (below counter): 4.0" / 10.2 cm
Height (above counter): 5.1" / 13.0 cm

### Scale Capacities

- Capacity: 30.0 lb / 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 lb / 68 kg
- 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: 6.0" / 15.2 cm

### Environmental

- Temperature rating:
  - Operating: 50°F to 104°F / 10°C to 40°C
  - Storage: -40°F to 158°F / -40°C to 70°C
- 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 & C2B)
- 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

- Electrial:
  - 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, VCCI-B (Japan)

- Laser safety: Class IIa Laser Product
  - (CAUTION: Laser Light – do not stare into beam)

- 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-Weighs™ 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

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**Data Sheet**

“Nothing Beats a Magellan®”

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