Magellan® 8100Ω

With OmegaTek™ Productivity Technology

Data Sheet

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

Mechanical

Length & Weight

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

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° to 104° F / 10° to 40° C
   Storage: -40° to 158° F / -40° 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 & 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)

Restriction of Hazardous Substances: Complies to EU RoHS

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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