Magellan® 8500

With OmegaTek™ Productivity Technology

Data Sheet

Features:

- OmegaTek™ Productivity Technology
- SurroundScan® 3D Scanning™ Technology
- Enhanced All-Weighs® Platter
- FirstStrike™ Advanced Decoding Software
- Multiple interface solution supports all popular host interfaces
- Flash memory for easy, low cost upgrades
- Powered auxiliary RS-232 port for easy integration of a handheld scanner
- Optional EAS functionality
- Sunrise 2005 and GTIN compliant
- Value Added Features:
  - Host Download
  - Diagnostic Reporting
  - Productivity Index Reporting™ (PIR)
  - Cashier Training™

Mechanical

Dimensions

Length:
- **Model 8500** (short scanner): 41.9 cm / 16.5 in
- **Model 8501** (long scanner): 50.8 cm / 20.0 in
- **Model 8502** (long scanner/scale): 50.8 cm / 20.0 in

Width: 29.2 cm / 11.5 in
Depth (below counter): 12.7 cm / 5.0 in
Height (above counter): 17.8 cm / 7.0 in

Weight

- **Model 8500** (short scanner): 8.2 kg / 18.0 lb
- **Model 8501** (long scanner): 9.1 kg / 20.0 lb
- **Model 8502** (long scanner/scale): 11.8 kg / 26.0 lb

Scale Capacities

Capacity: 15 kg / 30.0 lb
Minimum Increment: 0.005 kg / .01 lb
Vibration Immunity: 4 programmable filter settings
Maximum Static Weight: 68 kg / 150 lb
Adjustments Required: Calibration only

Optical

Scan Lines: 64
Motor Speed: 6,000 rpm
Scan Rate: 6,400 lines/sec.
Scan Zone: 360° x 2
Sides Read: 6
Read Height: 15.2 cm / 6.0 in

Decoding Capability

The Magellan® 8500 decodes and autodiscriminates all of the following symbologies:
- UPC Versions A & E
- UPC Supplementals (Bookland & Coupon Code)
- UPC Add-ons (sub 2 or P2, sub 5 or P5 & C128)
- GS1 DataBar™ (Omnidirectional, Expanded and 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

Environmental

Temperature Rating

Operating: 10 to 40 °C / 50 to 104 °F
Storage/Transport: -40 to 70 °C / -40 to 158 °F

Humidity: 5 to 95% NC

Electrical

AC Power Requirements: 100-250 VAC, 50-60 Hz; 9 Watts (nominal), 17 Watts (maximum), 4 Watts (sleep mode)

Communications

Host: All Magellan® 8500 models support –IBM 46XX, RS-232, IBM USB, and Keyboard Wedge (scanner only)

Other: RS-232 handheld scanner port; scale host port; remote scale display port; EAS interlock port

Safety & Regulatory

Electrical: UL 60950; CSA-C22.2 no.60950; EN60950; BSMI Taiwan

Emissions: FCC part 15 subpart j, Class B (USA); AS/NZS 3548 (Australia/New Zealand); ICES-0003 (Canada); VCCI; EN 55022; CISPR 22 and others.

Laser Safety: Class IIa Laser Product; IEC 60825 Class 1 (CAUTION: Laser Light – do not stare into beam)

Restriction of Hazardous Substances: Complies to EU RoHS

Weights & Measures: *Standards - HB44, OIML R76-1 and R76-2, EN45501, 90/384/EEC, NOM, and others. *Countries approved: USA, Canada, Mexico, Europe, Australia, New Zealand, Puerto Rico, and most of the world. *Contact your Datalogic Scanning 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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DATALOGIC™

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