



High Performance In-Counter Scanner and Scanner/Scale

The Magellan 8300 bi-optic scanner is a high performance 5-sided scanner for medium volume checkout environments. It offers great performance, high quality and reliability, and outstanding value. It improves operational efficiency by achieving outstanding first-pass read rates and represents the next step in value and checkout productivity from the Magellan family and Datalogic Scanning.

The 8300 can be configured as either scanner or scanner/scale combination with Datalogic's exclusive, patented All-Weighs® scale platter to ensure accurate produce and bulk food weighing at the checkout. Two remote scale display options are available; a single display on a pole and a dual display on a single pole for applications requiring separate displays for the cashier and customer. Magellan 8300 models are available in three lengths: long, medium, and short (scanner only) to accommodate various

POS configurations.

FirstStrike® advanced software decoding algorithms provide the industry's best scanning speed and simultaneously improve first pass read rates of damaged, wrinkled, or poorly printed bar codes delivering improved operational efficiencies at the retail checkout.

Flash memory allows for easy software upgrades that help extend the life of the retailer's investment. In addition, an auxiliary RS-232 port can be utilized in a variety of ways, including adding a handheld scanner, programming and configuring the scanner, or accessing the scanner's label data output. For applications requiring electronic article surveillance (EAS), the 8300 can be equipped with Checkpoint EAS and can support aftermarket integrated Sensormatic EAS antennas with good read acknowledgement via the auxiliary RS-232 port. Optional Value Added Features provide optional information tools that help decrease front-end costs by managing information on scanner software and diagnostics.



Features

- Aggressive and ergonomic 360° 5-sided scanning for best in class scanning performance
- Renowned Magellan brand quality and reliability
- All-Weighs Scale Platter with integrated Produce Lift Bar or Produce Rail™ (Optional)
- FirstStrike advanced decoding software delivers the best performance in reading poor quality labels
- Flash memory for easy software upgrades in the field
- Multiple interface solution supports all popular host interfaces
- Powered auxiliary RS-232 port for easy integration of a handheld scanner
- Supports GS1 DataBar™ codes
- Checkpoint Systems and Sensormatic EAS compatible (Optional)
- Optional Value Added Features:
 - Host Download - Lowers Service Cost and Improves Operations
 - Diagnostic Reporting - For improved preventative maintenance
- Compatible with Mettler, Bizerba and other adaptive scales

www.scanning.datalogic.com



Specifications

DECODING CAPABILITY

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|-------------------|--|
| 1D / LINEAR CODES | Autodiscriminates all standard 1D codes including GS1 Databar™ linear codes |
| STACKED CODES | GS1 DataBar Expanded Stacked; GS1 DataBar Stacked; GS1 DataBar Stacked Omnidirectional |

ELECTRICAL

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| AC POWER REQUIREMENTS | AC Input: 100-250 VAC, 50-60 Hz Power Consumption: Operating (Maximum): 8 Watts Operating (Nominal): 7 Watts Sleep Mode: 4 Watts |
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ENVIRONMENTAL

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| ESD PROTECTION (AIR DISCHARGE) | 25 kV |
| HUMIDITY (NON-CONDENSING) | 5 - 95% |
| TEMPERATURE | Operating: 10 to 40 °C / 50 to 104 °F Storage/Transport: -40 to 70 °C / -40 to 158 °F |

INTERFACES

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| AUXILIARY PORTS | IBM 46xx; Keyboard Wedge: Scanner Only; OEM (IBM) USB; RS-232; USB: Scanner Only EAS Port: Powered RS-232; Remote Scale Display; Scale Host |
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OPTIONAL FEATURES

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| ALL-WEIGHS SCALE PLATTER EAS FEATURES | Integrated Produce Lift Bar; Produce Rail™ Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IV, V, VI and VII models; Sensormatic: Good Read Acknowledgement |
| VALUE ADDED FEATURES | Diagnostic Reporting; Host Download |

PHYSICAL CHARACTERISTICS

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| DIMENSIONS | Depth (Below Counter): 10.2 cm / 4.0 in Height (Above Counter): 13.0 cm / 5.1 in Length: Model 8301 (Short, Scanner Only): 35.6 cm / 14.0 in Model 8302 (Medium, Scanner Only): 40.1 cm / 15.8 in Model 8303 (Long, Scanner Only): 50.8 cm / 20.0 in Model 8304 (Medium, Scanner/Scale): 40.1 cm / 15.8 in Model 8305 (Long, Scanner/Scale): 50.8 cm / 20.0 in Width: 29.2 cm / 11.5 in Adjustments Required: Calibration Only Capacity: 15.0 kg / 30.0 lb Maximum Static Weight: 68.0 kg / 150.0 lb Minimum Increment: 0.005 kg / 0.010 lb Vibration Immunity: 4 Programmable Filter Settings |
| SCALE CAPACITIES | |

READING PERFORMANCE

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|---------------------|--|
| MOTOR SPEED | 4,500 rpm |
| READ HEIGHT | 15.2 cm / 6.0 in |
| READ RATE (MAXIMUM) | 3,900 lines/sec. |
| READING INDICATORS | Beeper (Adjustable Tone and Volume); Good Read LED |
| SCAN LINES | 52 |
| SCAN ZONE | 360° |
| SIDES READ | 5 Sides |

SAFETY & REGULATORY

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| AGENCY APPROVALS | The product meets necessary safety and regulatory approvals for its intended use. The Quick Reference Guide for this product can be referred to for a complete list of certifications. Complies to EU RoHS Caution Laser Radiation - Do not stare into beam; CDRH Class IIa EN 60825 Class 1; IEC 60825 Class 1 |
| ENVIRONMENTAL COMPLIANCE LASER CLASSIFICATION | |

UTILITIES

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| OPOS / JAVAPOS | JavaPOS Utilities are available for download at no charge OPOS Utilities are available for download at no charge |
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WARRANTY

1-Year Factory Warranty

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Product specifications are subject to change without notice.

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