



## High Performance In-Counter Scanner and Scanner/Scale

The Magellan 8400 bi-optic scanner is the highest performance 5-sided POS scanner available today. The 8400 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, breaking previous records of performance, reliability and value. The 8400 can be configured as either scanner or scanner/scale combination with Datalogic's exclusive, patented All-Weights® 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 8400 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 scanners label data output. For applications requiring electronic article surveillance (EAS), the 8400 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-Weights 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
  - Productivity Index Reporting™ - Helps identify poorly printed labels
  - Cashier Training™/ Ergonomic Index - Identifies Poor Scanning Habits
- Compatible with Mettler, Bizerba and other adaptive scales

[www.scanning.datalogic.com](http://www.scanning.datalogic.com)



## Specifications

### DECODING CAPABILITY

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

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
-----------------------	-------------------------------------------------------------------------------------------------------------------------------------------

### ENVIRONMENTAL

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

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
-----------------	------------------------------------------------------------------------------------------------------------------------------------------------

### OPTIONAL FEATURES

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 Sensomatic: Good Read Acknowledgement Cashier Training™; Diagnostic Reporting; Host Download; Productivity Index Reporting™ (PIR)
VALUE ADDED FEATURES	

### PHYSICAL CHARACTERISTICS

DIMENSIONS	Depth (Below Counter): 10.2 cm / 4.0 in Height (Above Counter): 13.0 cm / 5.1 in Length: Model 8401 (Short, Scanner Only): 35.6 cm / 14.0 in Model 8402 (Medium, Scanner Only): 40.1 cm / 15.8 in Model 8403 (Long, Scanner Only): 50.8 cm / 20.0 in Model 8404 (Medium, Scanner/Scale): 40.1 cm / 15.8 in Model 8405 (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

MOTOR SPEED	6,000 rpm
READ HEIGHT	15.2 cm / 6.0 in
READ RATE (MAXIMUM)	5,200 lines/sec.
READING INDICATORS	Beeper (Adjustable Tone and Volume); Good Read LED
SCAN LINES	52
SCAN ZONE	360°
SIDES READ	5 Sides

### SAFETY & REGULATORY

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

OPOS / JAVAPOS	JavaPOS Utilities are available for download at no charge OPOS Utilities are available for download at no charge
WARRANTY	1-Year Factory Warranty

© 2007-2008 Datalogic Scanning Inc.

All rights reserved. • Protected to the fullest extent under U.S. and international laws.  
• Copying, or altering of this document is prohibited without express written consent from Datalogic Scanning, Inc.

Datalogic is a registered trademark of Datalogic S.p.A. in many countries and the Datalogic logo is a trademark of Datalogic S.p.A.

FirstStrike, All Weighs and Magellan are registered trademarks of Datalogic Scanning Inc. and Cashier Training, OmegaTek, Produce Rail and Productivity Index Reporting are trademarks of Datalogic Scanning Inc.

Other brand and product names may be trademarks of their respective owners.

Product specifications are subject to change without notice.

DS-MAGELLAN8400-EN 20080725

[www.scanning.datalogic.com](http://www.scanning.datalogic.com)



**Able Scale Service & Hire (Qld) Pty Ltd**

Phone: 07 3208 8382

Unit 5/1 Elayne St, Underwood, Qld, 4119

[www.ablescales.com.au](http://www.ablescales.com.au)