

## 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 Hz  
Power Consumption: Operating (Maximum): 17 Watts  
Operating (Nominal): 9 Watts

### ENVIRONMENTAL

HUMIDITY (NON-CONDENSING)  
TEMPERATURE

5 - 95%  
Operating: 10 to 50 °C / 50 to 104 °F  
Storage/Transport: -40 to 70 °C / -40 to 158 °F

### INTERFACES

AUXILIARY PORTS

EAS Port; Powered RS-232; Remote Scale Display; Scale Host; Sensormatic EAS Controller Port

RS-232 / IBM 46XX / USB MULTI-INTERFACE

OEM (IBM) USB Plus Power (Scanner and Scale); RS-232 (Scanner) / RS-232 (Scale); RS-232 (Scanner) or Single Cable RS-232 (Scanner and Scale)

### OPTIONAL FEATURES

ALL-WEIGHS SCALE PLATTER  
EAS FEATURES

Produce Rail™  
Checkpoint Systems: Integrated EAS hardware will work with Counterpoint IV, V, VI and VII models  
Sensormatic: Datalogic SmartSentry™ Firmware Interfaces with the Sensormatic AMB-9010 EAS Deactivation Controller; Good Read Acknowledgement; Integrated EAS Antenna in the Vertical and Horizontal Plane  
Dual Interval Scale; Single Interval Scale  
Single and Multi-Lane Configurations  
Dual Display with (20.3 cm / 8.0 in) Post  
Single Display with (20.3 cm / 8.0 in) Post  
Cashier Training™; Diagnostic Reporting; Host Download; Productivity Index Reporting™ (PIR)

MAGELLAN SCALE TECHNOLOGY  
PRESCAN™ QUEUE-BUSTING SOFTWARE  
REMOTE SCALE DISPLAY

VALUE ADDED FEATURES

### PHYSICAL CHARACTERISTICS

DIMENSIONS

Depth (Below Counter): 12.7 cm / 5.0 in  
Height (Above Counter): 17.8 cm / 7.0 in  
Length: Model 8503 (Long, Scanner Only): 50.8 cm / 20.0 in;  
Model 8504 (Long, Scanner/Scale): 50.8 cm / 20.0 in  
Model 8505 (Short, Scanner Only): 42.2 cm / 16.6 in  
Width: 29.2 cm / 11.5 in

SCALE CAPACITIES

Adjustments Required: Calibration Only (Unless in EC countries where pre-verification is allowed)  
Capacity: Dual Interval Scale: Range 1: 0 - 6.0 kg / 0 - 12.0 lb; Range 2: 6.0 - 15.0 kg / 12.0 - 30.0 lb  
Single Interval Scale: 0 - 15.0 kg / 0 - 30.0 lb  
Maximum Static Weight: 68.0 kg / 150.0 lb  
Minimum Increment: Dual Interval Scale: Increment 1: 0.002 kg / 0.005 lb  
Increment 2: 0.005 kg / 0.010 lb  
Single Interval Scale: 0.005 kg / 0.010 lb  
Vibration Immunity: 4 Programmable Filter Settings  
Model 8503 (Long, Scanner Only): 9.1 kg / 20.0 lb  
Model 8504 (Long, Scanner/Scale): 11.8 kg / 26.0 lb  
Model 8505 (Short, Scanner Only): 8.2 kg / 18.0 lb

WEIGHT

### READING PERFORMANCE

MOTOR SPEED  
READ HEIGHT  
READ RATE (MAXIMUM)  
READING INDICATORS  
SCAN LINES  
SCAN ZONE  
SIDES READ

6,000 rpm  
15.2 cm / 6.0 in  
6,400 scan lines/sec.  
Beeper (Adjustable Tone and Volume); Good Read LED  
64  
360° x 2  
6 Sides - SurroundScan 3D Scanning™

### 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.

ENVIRONMENTAL COMPLIANCE  
LASER CLASSIFICATION

Complies to China RoHS; Complies to EU RoHS  
Caution Laser Radiation - Do not stare into beam; CDRH Class IIa

### 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



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