MacSema
BC3100

Contact Bar Code Reader

FEATURES

- **IMPROVED BATTERY PERFORMANCE**

  Lithium polymer rechargeable battery

  6 times longer storage between charges

  Allows 3X more use on one charge

  Charges quickly! 3 hours for full charge

  Battery status icon-user knows charge level

  Disconnected battery retains 70% capacity after 1 year

- **4 Line Graphic Display**

- **1 MB Flash Memory**

  Retains data even when battery is unplugged

  Secure memory. No lost Data

  Much greater data collection capacity

- **User Log Tracks Usage/ Helps Trouble Shoot**

  Fits in hand or pocket

  Rugged metal case

  Complete audit trail

OVERVIEW

MacSema's new BC3100 slimline reader is a thinner version of the BC3010 scanner. Perfect for mobile applications, it fits in your pocket and holds up to demanding conditions.

The rugged, dependable BestWand II series it is based on has proven itself in extreme conditions worldwide. Designed for ease of use – just scan a bar code and the data is loaded into the wand. Using the keypad and display, data can be scrolled and viewed, the user can be prompted, data can be entered or edited. Programmable keys and customizable key icons offer the flexibility to expand your application to meet changing requirements. All transactions are time and date stamped. The data is always maintained in the wands flash memory for transfer to a PC.

The Lithium Polymer battery with smart circuitry offers greatly improved battery performance. Users appreciate the battery level icon and battery status feedback.

The BC3100 fits comfortably into your hand or pocket. Housed in an aluminum case it survives multiple 4 foot drops and is resistant to harsh environments.

MacSema's BC3100 will provide years of service with low maintenance, low overhead and low system cost. Cost effective and flexible; multiple software applications can be used. Track mobile workers with one program and inventory with another. Developers can utilize MacSema's Developer's Kit to build customized applications. MacSema also provides software application development.

BC3100   Charging & Communication System

DL 3154 4 Station
Charges & Communicates 4 wands
USB or Serial   P/N D4S3SS
Daisy Chainable
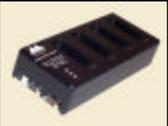
Single-Station Downloader/Recharger
Charges & Communicates 1 wand
USB or Serial P/N   DSS3SS

Transformer for DL 3154
P/N ATUM7

Transformer for DSS3SS
P/N ATUM4

USB Downloader Cable (USB 2.0 A/B)

P/N C1B03

Serial Cable for Downloader   P/N C1B02

Null modem Cable   (DB 25M-DB 9M)
P/N CINM1

Bar Code Reader for Portable Data Collection

Models	P/N
BC3100 512 RAM, 1MB Flash with Graphic Display	RBS3K5
BC3100 512 RAM, 1MB Flash with Graphic, Backlit Display	RBS3K5B
Kit	DKSS32SS

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	4.047(L) x 2.937(W) x .786H) inches (102.79mm x 74.6mm x 19.97mm)
Weight	6.56 ounces (183.68grams), including battery
Operating Temperature	32º to 140º F (0º to 60º C)
Storage Temperature	-4º to 158º F (-20º to 70º C)
Humidity	5-95% non-condensing
Shock	Multiple 4' drops to tile-covered concrete
Display	4 line x 16 character graphic LCD display. 128 x 64 Graphic. Backlit optional
Keypad	12 fully programmable, alpha-numeric, tactile-touch keys. Removable keycaps allow customization of key cap icons
Case Material & Color	Machined aircraft-grade aluminum, powder coated black finish
Optics	Sapphire Scan Tip (user replaceable)
Power	Rechargeable 3.7, 780mA Lithium Polymer battery pack included; battery status icon; automatic sleep mode to conserve power
Recharging	3 hours to fully charge a completely drained battery
LED	Superbright LED
Audio	Beeper with variable pitch and duration with user definable settings

PERFORMANCE CHARACTERISTICS

Symbologies	Symbologies supported include Code 39 (3 of 9), Code 128, Interleaved 2 of 5, Industrial I205, EAN and UPC-A and others
Read Time	3 – 30 inches per second
Scan Capacity	70,000 scans 512K; based on a 6 digit bar code including date and time stamp
Memory	512K/1MB SRAM, 1MB Data Flash
CPU	ARM7 @ 20.5 MHz
Real Time Clock	Crystal-controlled; 1/100th second accuracy; date and time stamping
Interface	USB or Serial RS232
Downloader	Four-Station P/N D4S3SS with USB or Serial RS232. Daisy Chainable, Single-Station DSS3SS USB or Serial
Software	Hierarchy Application, and Developer's Kit using GNU C
Warranty	One-year limited warranty against defects in materials or workmanship
Made in U.S.A.	