

MacSema ButtonReader BR3050



NEW FEATURES

- **IMPROVED BATTERY PERFORMANCE**
 - Lithium Polymer Rechargeable Battery**
 - 6 Times Longer Storage Between Charges, 90+ Days!**
 - Allows 3 X 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 Yr.**
- **NEW CONNECTOR Replaces Stereo Jack**
- **FASTER PROCESSOR Reads 32K Button in 1 Second**
- **8 MB FLASH MEMORY**
 - Retains Data Even When Battery Is Unplugged**
 - Greater Data Collection Capacity**
 - Secure Memory. No Lost Data**
- **USER LOG Tracks Usage & Helps Trouble Shoot**

Manufactured in the U.S.A.

OVERVIEW

MacSema's new ButtonReader BR3050 offers improved battery performance, data capacity and speed. This rugged data collector reads and updates data stored on Button Memory® and supports applications such as inspection, maintenance, configuration management, life cycle tracking, calibration, and fire and safety inspection. ButtonMemory, also known as contact memory buttons (CMB) are battery-free, read/write, data storage devices used to identify assets.

The ButtonReader is easy to use, just touch a ButtonMemory and the data is displayed and updated. The user can scroll through and enter additional data. Updated information such as who did what, and when, is left on the button. All transactions are time stamped and a copy of each button's data is stored securely in FLASH memory for later transfer to a PC. 8 MB offers much greater data collection capacity and retains the data even when the battery is changed.

The Lithium Polymer battery with smart circuitry improves battery performance. It works 3 times longer than the earlier version, offers extended shelf life, and charges in only 3 hours. Users appreciate the battery level icon and battery status feedback. The connection to the charging station has been changed for greater reliability.

The ButtonReader, the size of a deck of cards, fits comfortably in your hand or pocket. Housed in an aluminum case, it survives multiple 4-foot drops and is resistant to harsh environments. The ButtonReader is available in a variety of configurations to meet user requirements.



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Shown with FingerTip Reader Shown in DownLoader

ButtonReader, Mini Read Head, RBR3K5M

ButtonReader , BackLit, Mini Read Head, RBR3K5BM

ButtonReader , BackLit, Mini Read Head with Connector , RBR3K5BMF

Single-Station Downloader/Recharger
Charges & Communicates 1 wand

USB or Serial Part # DSS32SC
Serial only Part # DSS32S



FingerTip Reader
Reads/Writes to MiniButton
Part # AFT301



Mini/Micro FingerTip Reader
Reads/Writes to Micro & MiniButtons
Part # AFT304

Transformer for Downloader
Part # ATUM4

Worldwide Version Part # ATUM6
(Needs Power Cord Part # ATUPC)



USB Cable for Downloader
(USB 2.0 A/B)
Part # C1B03



Serial Cable for Downloader
Part # C1B02



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions (Overall)	4.47(L) x 2.59(W) x 1.00(H) inches (114 mm x 65.8 mm x 25.4 mm)
Weight	6.5 ounces (184 grams), including battery
Operating Temperature	32° to 140° F (0° to 60° C)
Storage Temperature	-4° to 158° F (-20° to 70° C)
Humidity	5-95% non condensing
DropShock	Multiple 4' drops to tile- covered concrete
Display	4 Line x 16 character graphic LCD • Backlit display available • Drop down menu & scrolling capability
Keypad	12 fully programmable, alpha-numeric capable, tactile-touch keys • Removable keycaps allow customization of key- cap icons.
Casing	Machined aircraft-grade aluminum, powder coated black
Read Head	Gold-plated aircraft-grade brass
Power	Rechargeable 3.7V, 780mAH Lithium Polymer battery pack; low-battery detector; automatic sleep mode to conserve power
Recharging	3 hours to fully charge a completely drained battery
LED	Superbright LED
Audio	Beeper with variable pitch, loudness and duration with user definable settings

PERFORMANCE CHARACTERISTICS

Reads/Writes to	64K Byte, 32K Byte, 8K Byte, 2K Byte, 256 Byte, 128 Byte and Read only MiniButtons and MicroButtons
Read Time	One second for a 32K Byte MiniButton
Processor	ARM7
Memory	8 MB FLASH memory, 512KB RAM
Real Time Clock	Crystal-controlled; 1/100 th second accuracy; date and time stamping
Interfaces	USB or Serial, RS232
Software	ButtonReader SW Developer Kit using GNU C (SDK) Part # SMR3DV, Security Plus System Part # SBSPS
Regulatory Approvals	FCC Part 15, Class A; CE (EEC, EN55022 Class B & EN500821)
Warranty	MacSema products are backed by a one-year limited warranty against defects in materials or workmanship.
Made in U.S.A.	