

Replacement Procedure 222085PM

OsmoTECH® PRO Barcode Scanner

Scope

This document describes how to replace the barcode scanner (p/n 222085R) on the OsmoTECH® PRO Multi-Sample Micro-Osmometer. It is intended for use in conjunction with service procedures that require access to the OsmoTECH PRO interior.

Tools required

- #2 Phillips Screwdriver
- #1 Phillips Screwdriver
- Static grounding wrist strap

Parts and materials required

Replacement part 222085R

Related documents

- *OsmoTECH PRO Disassembly and Reassembly* (p/n 222202PM)
- *OsmoTECH PRO Service Guide* (p/n 222006EN)

Safety notices



WARNING: Hazardous Voltage. Power cord must be disconnected to prevent electrical shock.



NOTICE: Internal components may be damaged by static electricity. A static grounding wrist strap must be worn during this procedure.



NOTICE: Improper connections may cause damage to the instrument.

Removing the barcode scanner

1. Remove the front bezel assembly as explained in *OsmoTECH PRO Disassembly and Reassembly*.
2. Remove the two screws [A] holding the scanner mounting bracket to the outer enclosure.
3. Unplug the gray cable [B] from the back of the scanner.



4. Make note of the approximate positions of the three screws [C] within the bracket slots. Those slots allow for height adjustment of the scanner window in the front enclosure.
5. Remove the three screws [C] that connect the scanner to the black plastic bracket.



Replacing the barcode scanner

Refer to [Removing the barcode scanner](#) for images and callouts.

1. Attach the new barcode scanner to the mounting bracket with the three screws **[C]**, positioning them as noted when the bracket was removed.

Do not fully tighten the screws until you are satisfied with the position.
2. Place the mounting bracket into the front enclosure and insert the two mounting screws **[A]**.

Make sure that the scanner window is not obstructed by the enclosure.
3. Remove the bracket and adjust as needed.
4. Tighten the scanner attachment screws when the scanner height is correct.
5. Tighten the mounting bracket screws **[A]** when the horizontal position is correct.
6. Connect the gray cable **[B]** to the back of the scanner.
7. Follow the *OsmoTECH PRO Disassembly and Reassembly* to reinstall the front bezel assembly.