

# Replacement Procedure 222037PCPM

## OsmoTECH® PRO Control PCB

### Scope

This document describes how to replace the control PCB (p/n 222037PCR) 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

- #1 and #2 Phillips screwdrivers
- 5/16" nut driver
- Static grounding wrist strap

### Parts and materials required

Replacement part 222037PCR

### Related documents

- *OsmoTECH PRO Disassembly and Reassembly*
- *OsmoTECH PRO Service Guide*

### Safety notices



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



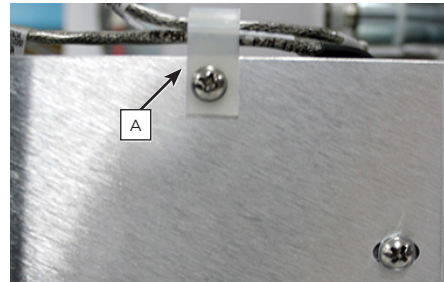
**NOTICE:** Internal components may be damaged by static electricity. A static grounding wrist strap must be worn during this procedure.



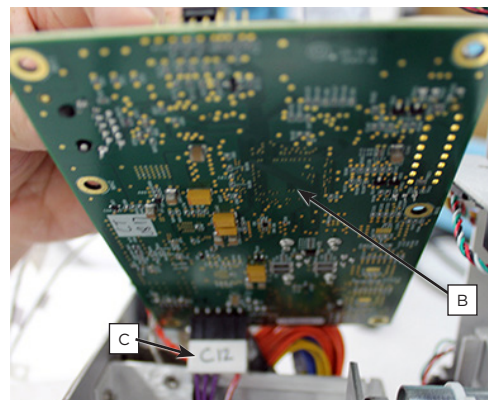
**NOTICE:** Improper connections may cause damage to the instrument.

### Removing the control PCB

1. Remove the rear and side enclosure as explained in *OsmoTECH PRO Disassembly and Reassembly*.
2. Remove the cable clamp [A] that secures the C10 sample probe cable and the C11 block probe cable to the side of the power supply and controls assembly.



3. Unplug the C1, C2, C5, C6, C10, and C11 connectors from the control PCB.
4. Remove the six screws that mount the control PCB to the power supply and controls assembly, and put the screws aside.
5. Carefully lift up the control PCB [B] and unplug the C12 connector [C].



## Replacing the control PCB

Refer to [Removing the control PCB](#) for images and callouts.

1. Plug the C12 connector **[C]** into the bottom of the replacement control PCB **[B]**.
2. Secure the control PCB to the power supply and controls assembly with the six screws.
3. Plug the C1, C2, C5, C6, C10, and C11 connectors into the control PCB.
4. Secure the C10 sample probe cable and the C11 block probe cable to the side of the power supply and controls assembly with the cable clamp **[A]** and screw.
5. Replace the rear and side enclosure as explained in *OsmoTECH PRO Disassembly and Reassembly*.