

Thermo Scientific Orion Calcium Electrode for the 1520 Calcium Hardness Monitor

General Information

The calcium electrode body and module assembly, Cat. No. 100026, that is used on the 1520 calcium hardness monitor has been replaced with an improved calcium sensing electrode. The old catalog number can still be used, but you will no longer receive the electrode body and module assembly. The electrode will now be packaged as a calcium half-cell electrode, Cat. No. 100049, with a detachable cable, Cat. No. 207303-A01. Please use Cat. No. 100049 to reorder the calcium electrode for the 1520 calcium hardness monitor.

Electrode Installation

To convert to the new calcium electrode, Cat. No. 100049:

1. Disconnect the old calcium electrode, Cat. No. 100026, from the 1520 electronics enclosure and remove the electrode from the flow cell.
2. Remove the adaptor cable assembly, Cat. No. 207303-A01, from the shipping box and connect the SHV plug end of the cable to the jack in the 1520 electronics enclosure, where the previous sensing electrode was connected.
3. Remove the new sensing electrode from the shipping box. Unscrew the cap of the electrode storage bottle one half turn and withdraw the electrode from the bottle. Save the bottle assembly for later storage.
4. Connect the screw cap connector of the adaptor cable to the top of the electrode and make sure that the sliding screw sleeve of the adaptor cable is not cross-threaded with the top of the electrode. Screw the connector down until the O-ring on the top of the electrode is compressed.
5. Insert the electrode into the flow cell block and allow at least one hour for the electrode to flush down and stabilize before calibrating.
6. Place the red cap plug into the top of the storage bottle and screw the cap and O-ring back in place.

Ordering Information

Cat. No.	Description
100049	Calcium half-cell electrode with screw cap connection
207303-A01	Electrode adapter cable

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