

QUICK REFERENCE GUIDE

Carbon Dioxide Module GM10



- Replacement module for GMW90 series wall mount transmitters
- Carbon dioxide measurement module with CARBOCAP® sensor
- No calibration or trimmer centering required after installation

OVERVIEW OF THE GM10 MODULE

GM10 is the carbon dioxide measurement module utilized in the GMW90 series wall mount transmitters. The module can be replaced if calibration and adjustment are not enough to restore the measurement accuracy of the transmitter.

User calibration settings (adjustment by trimmers or service port) are stored in the GM10 module. When you replace the module, you do not need to undo the previously applied correction.

CAUTION Handle the GM10 module carefully.

CAUTION Electrostatic Discharge (ESD) can cause immediate or latent damage to electronic circuits. To avoid damaging the modules or the transmitter, avoid touching any component contacts or connectors.

For best protection, handle the transmitters and modules on a properly grounded and protected ESD workbench.

INSTALLATION

1. Disconnect the transmitter body from the mounting base.

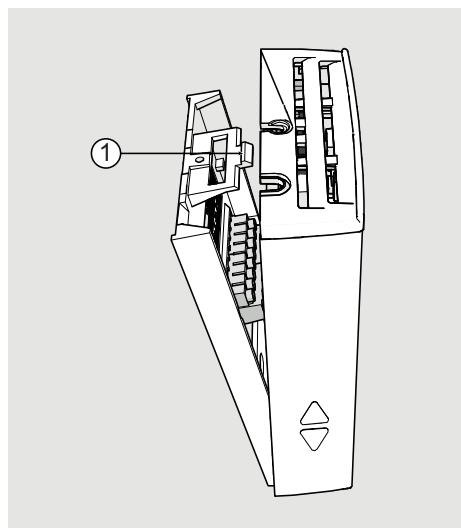


Figure 1 Opening a GMW90 Series Transmitter

2. Locate the GM10 module on the transmitter. The module is a separate component board with a golden cuvette that contains the CARBOCAP® sensor. It is connected to the main transmitter board with a connector, and held in place by a plastic clip on the other side.
3. Disconnect the module by carefully lifting the module from the connector side.

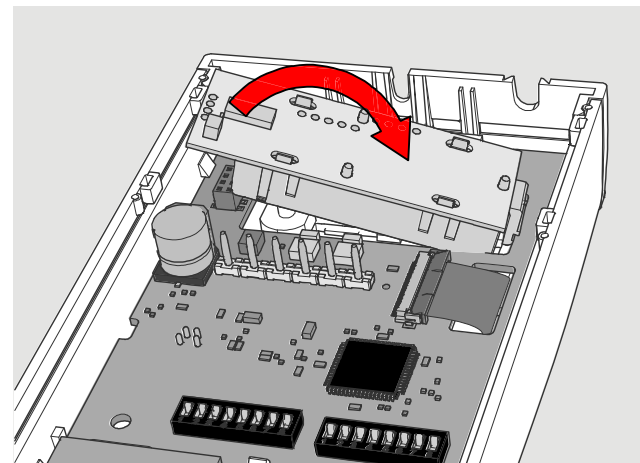


Figure 2 Disconnecting the GM10 Module

4. Take the new GM10 module and place it in the hole for the module so that the plastic clip meets the component board. Then lower the connector end of the module.
5. Push down on the module to secure the connector.
6. Reconnect the transmitter to the mounting base.
7. Verify that there are no errors when the transmitter starts up.

NOTE For more information on the GMW90 series transmitters, including troubleshooting instructions, see the GMW90 Series User's Guide. You can download the guide at www.vaisala.com/gmw90.

NOTE This manual does not create any legally binding obligations for Vaisala towards the customer or end user. All legally binding commitments and agreements are included exclusively in the applicable supply contract or Conditions of Sale.

