Smart Module Enclosure Removal

SemeaTech's 4 and 7-series Smart Modules have been gaining increasing popularity owing to their versatile applications across various industries, including industrial safety and hygiene, indoor and outdoor air quality monitoring, livestock farming, food storage and transportation, and smart city solutions, among others. The heart of these Smart Modules lies in the raw electrochemical (EC) sensor, which has a limited lifespan and needs replacement as it nears expiration. This document provides a detailed guide on how to open the enclosure of the smart module to facilitate the straightforward replacement of the raw sensor, ensuring utmost convenience for the customers.

4ECM-Smart Module

Below are the steps detailing how to remove the enclosure in order to access the raw sensor housed inside it:

1. Peel off the label outside the enclosure.
2. Using one hand, hold the lower casing between your thumb and index finger, while simultaneously gripping the upper casing with your other hand using your thumb and index finger. Rotate counterclockwise with force to unscrew and open the upper cover.

7 SMART Module

Below are the steps detailing how to remove the enclosure in order to access the raw sensor housed inside it:

1. Grasp the 7 SMART Module enclosure securely using one hand, and in the other hand, hold a tool such as bent nose pliers or tweezers. Insert the two-pointed ends of the tool into the designated holes on the upper cover of the module, as illustrated in the picture below.
2. Apply force in a counterclockwise direction to rotate the upper cover. Once the upper cover becomes loose, you can unscrew it counterclockwise by hand.