

APPLICATION NOTE

Testing Batteries with 2mm Access Ports

Batteries can present an arc hazard due to their exposed terminals (posts). If a non-insulated tool should fall across these terminals the resulting arc flash can injure people in the vicinity as well as damage equipment. This is why insulated tools should be used when working on battery strings. This is also why some batteries have caps covering their posts. These caps are removed during testing.

Some battery manufacturers use insulated posts. The only access to the post is a small opening approximately 2mm in diameter.



This creates a problem when testing batteries. In order to perform proper measurements of battery cell impedance, inter-cell connection resistance (straps) and terminal resistance, the measurement needs to be made on the post of the battery.

The BITE2 2mm adapter resolves this issue.

The 2mm adapter connects to the end of the BITE2 pistol probes allowing access to the battery posts through these small access holes.



The 2mm adapter will allow for accurate measurements of battery cells, inter-cell straps and terminal resistance on battery strings with insulated posts.