

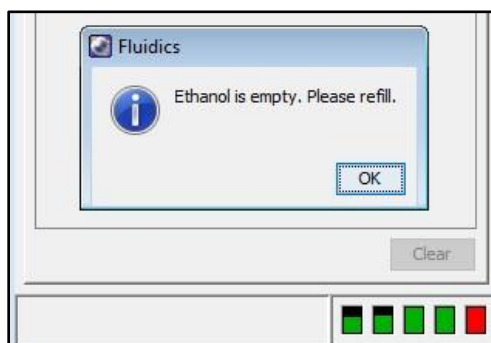
Fluidics Cart Level Sensor Bypass

1. Preface

The non-FFSS (FACSFlow Supply System) fluidics carts used on the FACS Aria lineup, the FACSymphony S6, and the FACSCanto have sensing probes to detect the levels in the auxiliary cleaning fluid containers. Every ~20 seconds this information is relayed to the FACSDiva software and displayed in the Instrument/Cytometer window. The sensor portion of the probe contains in its plugging port two connected wires (positive and negative) and the float switch, when in the up position, closes the circuit, indicating there is enough liquid in the tank.



Occasionally, the sensor can become defective, incorrectly reading the fluid level as empty, and prevent certain functions to proceed (i.e., "Prepare for Aseptic Sort" if the ethanol appears empty):



2. The Fix

If no replacement probe is available, it is possible to use a modified sensor (see picture below). The circuit, no longer including the float switch, is closed when the two wires are stripped, connected, and taped. When plugged in, this modified sensor tricks the system and normal operation can proceed. Of course, the fluid levels must be visually inspected before starting any cleaning cycle.

