

Advance has developed proprietary circuitry that prevents dunking.

The smart probe remembers the furnace metal position from its last pour pickup. A backup probe is activated if the primary probe fails. If both probes fail, the ladler is programmed to go no more than 1” lower than the previous metal pickup point. If it doesn’t sense the metal, it goes to its home position and turns itself off. The ladler doesn’t dunk, even if all the probe wires are broken.

{rokbox}images/stories/advance/ladlers/smart-probe-800.jpg {/rokbox}

The Advance Smart Probe™ System consists of three probes: standard, backup, and smart. Should the standard probe fail, a backup probe takes over to prevent dunking of the arm into metal. Warning lights flash on the Operator Interface Station signaling a probe failure.

Additionally, a smart probe remembers the last metal level detected and allows the probes to advance only 1” below the last metal level sensed. If the smart probe doesn’t sense metal within 1”, the ladler will dump all the metal in the cup back into the dipwell and return to the Home position before shutting itself off automatically.