

Bayonet twist-lock makes regularly scheduled calibrations more efficient

APPLICATION



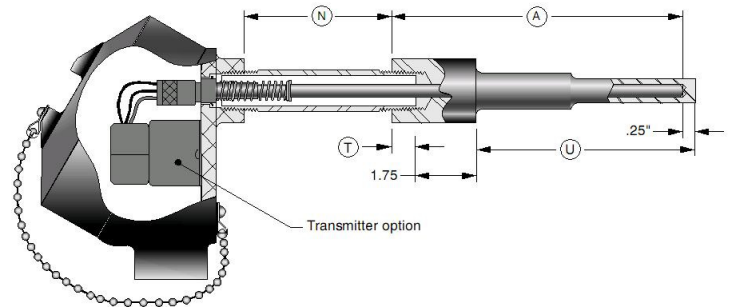
Pharmaceutical manufacturers need to keep meticulous records on all facets of the manufacturing process. Critical to the products quality are the sensors that measure and control the process parameters. Regularly scheduled calibrations of these sensors ensure that each process phase are tightly controlled. As these calibrations are regularly scheduled, they take time away from production and metrology personnel. It is important that the calibrations progress quickly and efficiently.

CHALLENGE



One of the time consuming pieces of the calibration process is the removal of the sensor from the process installation and the reinstallation of the sensor back into service. Thermowells are used to provide a way of removing a temperature sensor from service without “breaking” the line. However, even removing the sensing element from the thermowell often requires multiple tools to disassemble the connection head and/or the extension union. Wiring may also be required to be disconnected and reconnected. All of this disassembly and reassembly creates the opportunity for the sensor to be reassembled incorrectly.

200K



▶ Bayonet twist-lock element is easy to remove for calibration

SOLUTION



Burns model 200K has been designed as a user friendly alternative to traditional temperature sensor assembly designs. The unique bayonet twist-lock feature allows easy removal and installation of the sensing element from inside the connection head. By simply pushing down and turning on the bayonet fitting the element can be installed or removed without any tools. The connection head is large enough to accommodate longer cabling, so the element can be removed without disconnecting the wiring from the terminals. The probe can now be quickly removed from service, inserted into the calibration fixture and put back into service in minimal time.