

## Miniature Transmitter for Confined Spaces

### APPLICATION

A process skid required several temperature measurement points and space to mount them was very limited. A remote mounted transmitter was not an option because of the installation requirements. Not only was space at a premium but ease of maintenance for periodic calibration was required.



### CHALLENGE

Standard transmitters housed in connection heads range in size from 30 cubic inches to over 125 cubic inches. And most require unscrewing the cover to access the transmitter which can be difficult in tight spaces. These just do not work in small spaces. Removal of the RTD and transmitter for periodic calibration was a requirement so easy access for maintenance was an important consideration.



### T16



### ▶ Two Wire Loop Powered RTD Transmitter

### SOLUTION

Model T16 miniature transmitter measures just 2" x 2" x 2" (8 cubic inches) and can be adapted to nearly any sanitary style PRT. Calibration is easily accomplished with the PC interface and software package. Simply remove the two captive screws securing the cover and unplug the PRT and power leads. There are PRT designs with a built-in transmitter and they work okay for confined spaces, however, if the RTD or transmitter fails you need to replace both at added cost over replacing only the failed component. Modular design of the T16 allows easy replacement of either the PRT or the transmitter.

**For more information visit our website at:**

<http://www.burnsengineering.com/document/catalogs/t16.pdf>