

Demand Moore Reliability

High Accuracy Temperature Measurement

Manufacturing of semiconductor wafers requires that clean room temperatures are controlled to very precise temperature levels. Using transmitters that can be trimmed or sensor matched to high performance RTDs yield the best accuracy and repeatability.

Moore Industries' temperature transmitters offer 20-bit A/D input resolution. This allows step change measurement resolution of $.002^{\circ}\text{F}$. When sensor matched with a 4W 1000Ohm Platinum RTD and bath calibrated, assemblies can offer accuracies up to $\pm .025^{\circ}\text{F}$ on spans of 0-100 $^{\circ}\text{F}$. Request the -VTB calibration option on temperature assemblies for optimal measurement performance.



Semicon Clean Room