

### **IRt/c's can be used in Hazardous Locations**

The IRt/c's can be used in a hazardous (classified) location without further approval (such as Class 1, Div. 1) when connected to a certified, intrinsically safe circuit.

The IRt/c's fall into the category of thermocouples, they require no power source and generate signals measured in millivolts, microamps of current, and nanowatts of power. IRt/c's have a small capacitance and the energy storage is a thousand times lower than the 25 microjoule criterion.

Appropriately the IRt/c qualifies as a Simple Apparatus for use in hazardous locations and with the appropriate barrier, qualifies as Intrinsically Safe.