

## **PT100 Error Curves**

To Standard IEC 751:1983, BS1904:1984, DIN43760:1980.

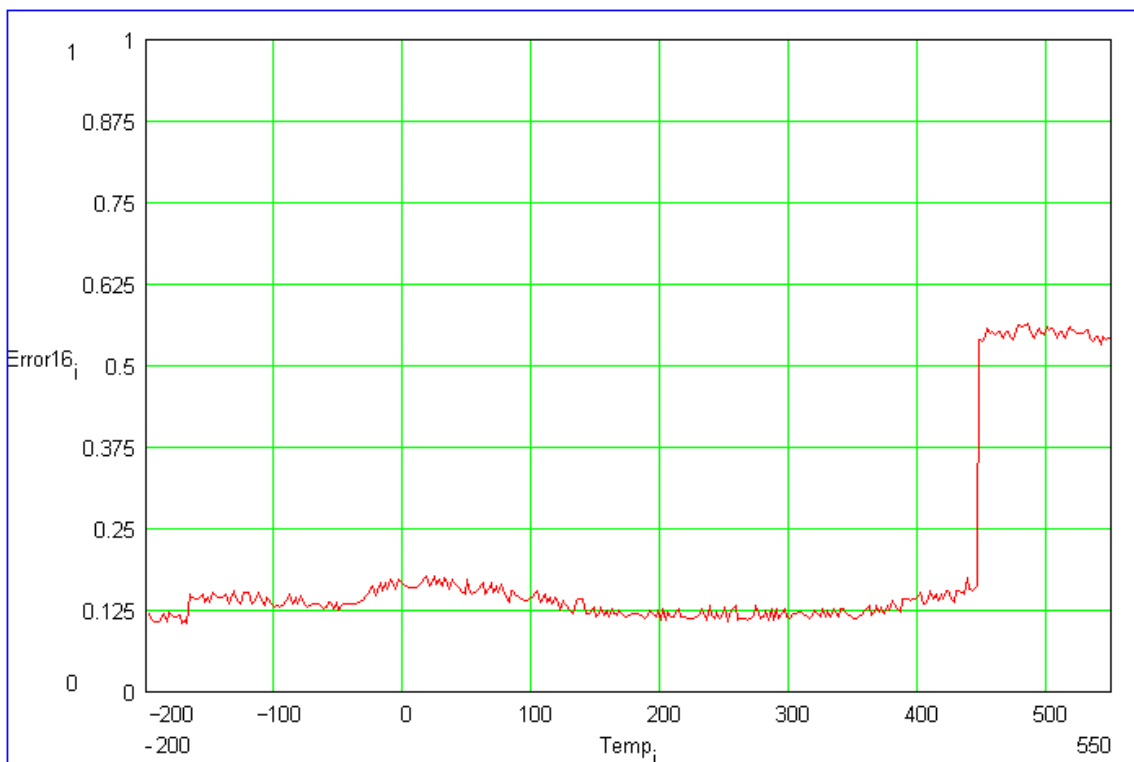
The curves are generated from the summation of known sources of errors in the Datascan measurement process.

The total error is composed of:

- Error in linearisation curves
- Error in reading PT100 generated voltage from current applied to transducer
- Allow for Fraction of error at 266°C where unit is calibrated of PT100 generated voltage
- Voltage Error as a fraction of calibration error at 266°C.

The error curve has been calculated for the 16 bit resolution which is recommended to achieve the best accuracies.

### **16 Bit Error Curve: °C error versus PT100 Temperature in °C**



### 14 Bit Error Curve : 'C error versus PT100 Temperature in 'C

