Tech Notes

Title: Residual values
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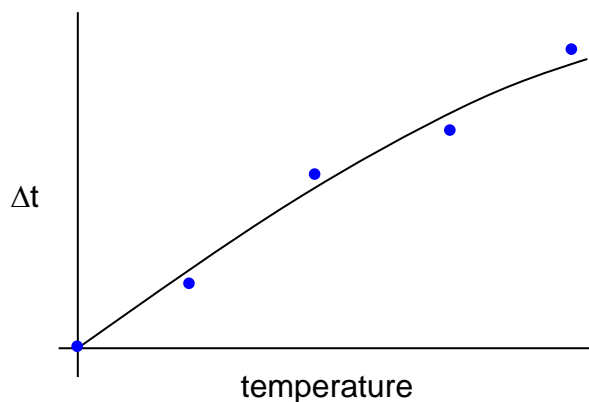---

Applies To: ITS-90

Problem Description: NA

Resolution/Work Around:

Residual values are the difference between a line that is created through the characterization coefficients and the actual measured temperature/resistance points. It is an indication of well the characterization fits the measured data. It doesn't indicate measurement error of the probe. Curve fit residual/error is one of several sources of error that contribute to a probe's measurement uncertainty. This picture is an example of curve-fit residuals. The solid line is the curve generated from the coefficients. The dots are actual measured points. You can see that the line tries to evenly pass through all of the points but touches none of them.

Δt

temperature

Other Information: