



Manual
Humidity & Temperature Probe
Model 6539B



Revision History

File name / Revision	Date	Authors & Change Details	Checked/ Approved
Previous version BX	2004	RS/ JH	MS
Unidata Manual - 6539 Humidity & Temperature Probe (5V) Issue 2.0	2007	AB/CB/JH/MS/KC	MS
Unidata Manual - 6539 Humidity & Temperature Probe (5V) Issue 3.0 - Reformat	17 09 13	MP	MS
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1.0 INTRODUCTION

This manual describes the operation of a Humidity & Temperature Probe (Model 6539B) in a Starlog data logging system. This probe is a precision humidity probe, Vaisala HMP155 and has been modified to be used with the Starlogger.

For more info please refer to Vaisala's user guide: [HMP155](#)

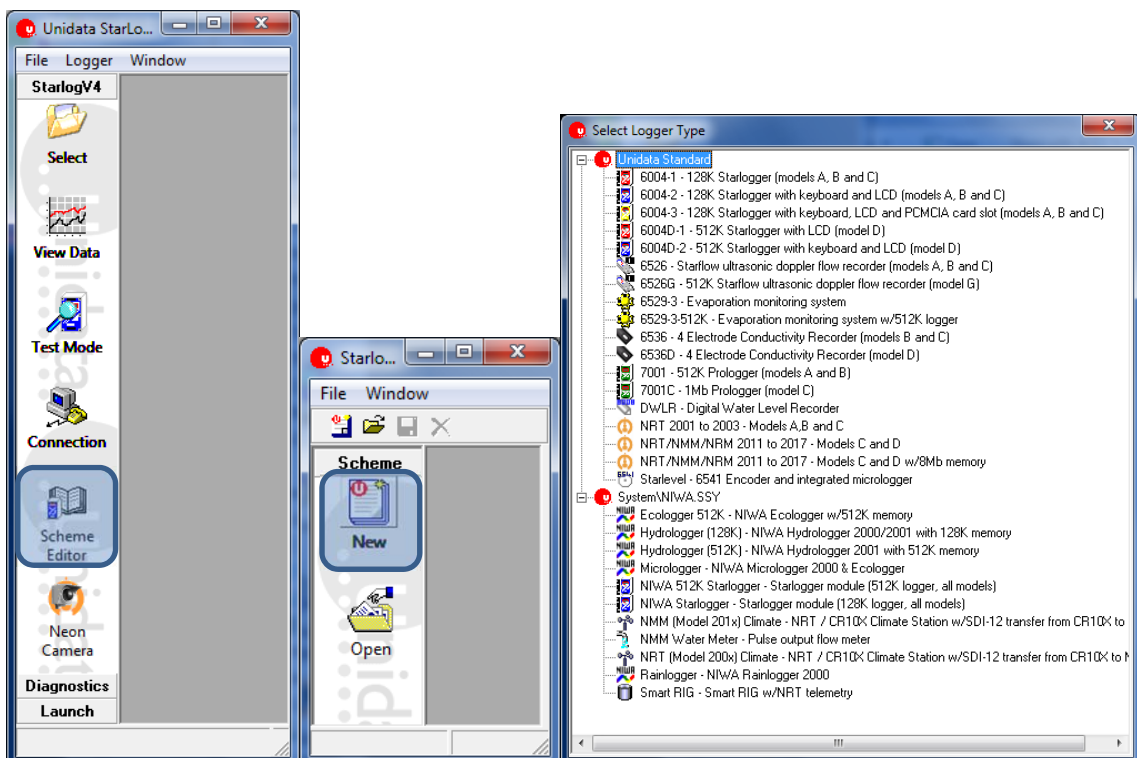
The Probe may be used with a Model 6704A Radiation Gill Screen.

2.0 INSTALLATION NOTES

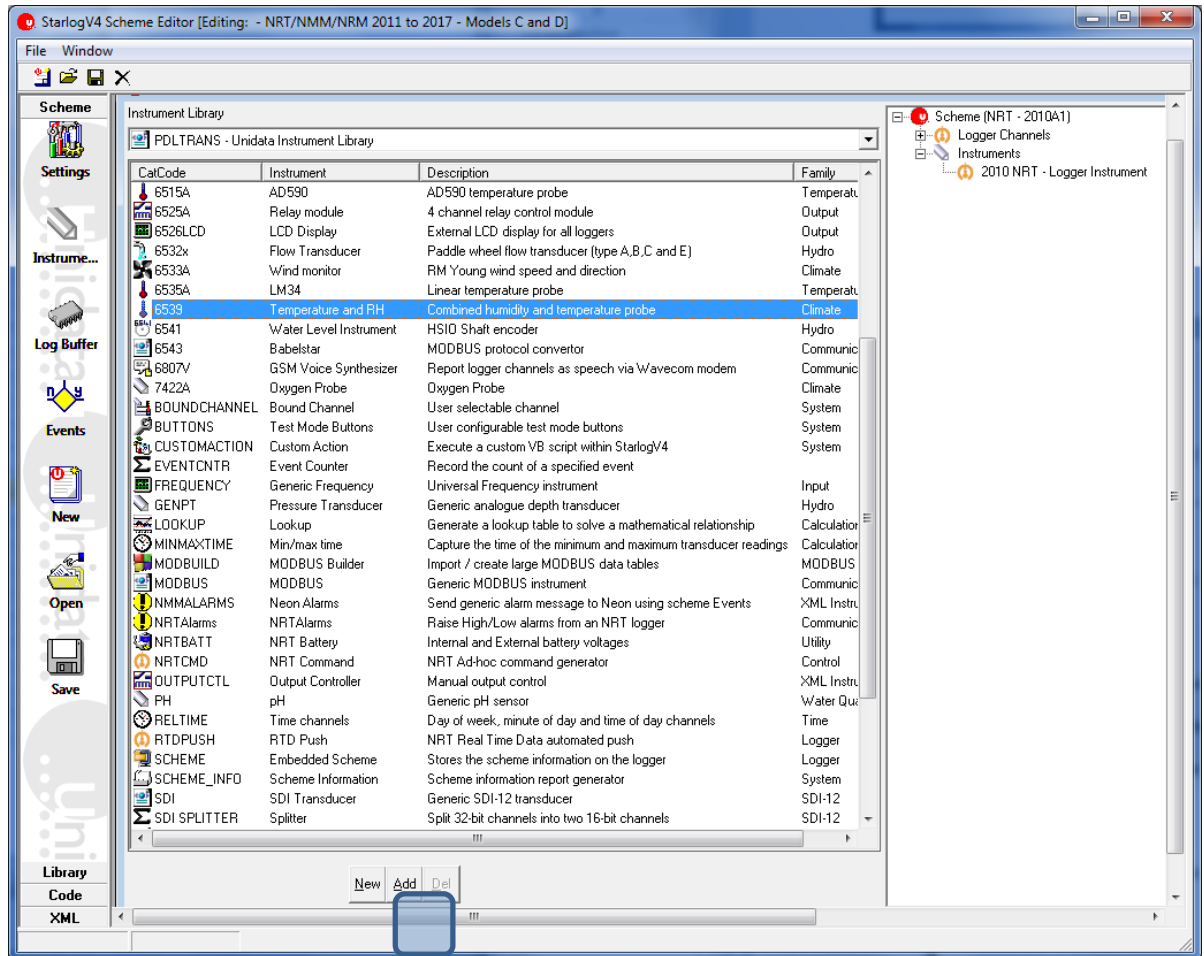
Connect the Probe to the prologger or NRT FTS as follows:

Cable Colour	Signal	Channel	Prologger FTS	NRT FTS
Brown	%RH Out	A1	37	A1
Green	Temp Gnd	Digital Gnd	36	GND
White	Temp Signal	A0	39	A0
Blue	Power 12V	+12V	52	EXT PWR
Yellow	Unused			
Black	Unused			

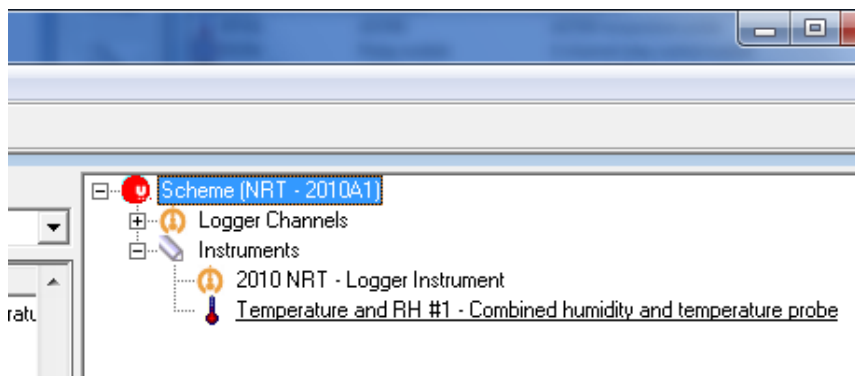
1. Open the **Scheme Editor, New** and **Select Logger Type** (Starlogger or NRT range)



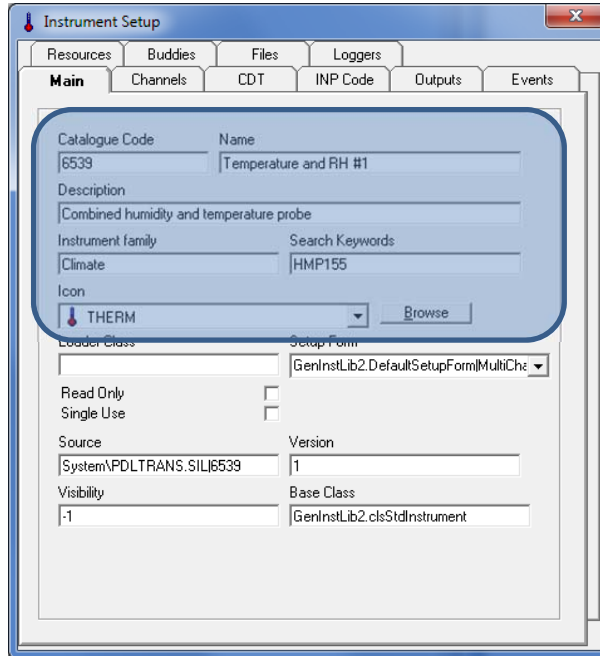
2. Select the **Instruments** menu, then Instrument (e.g. **6539**) and **Add Instrument**



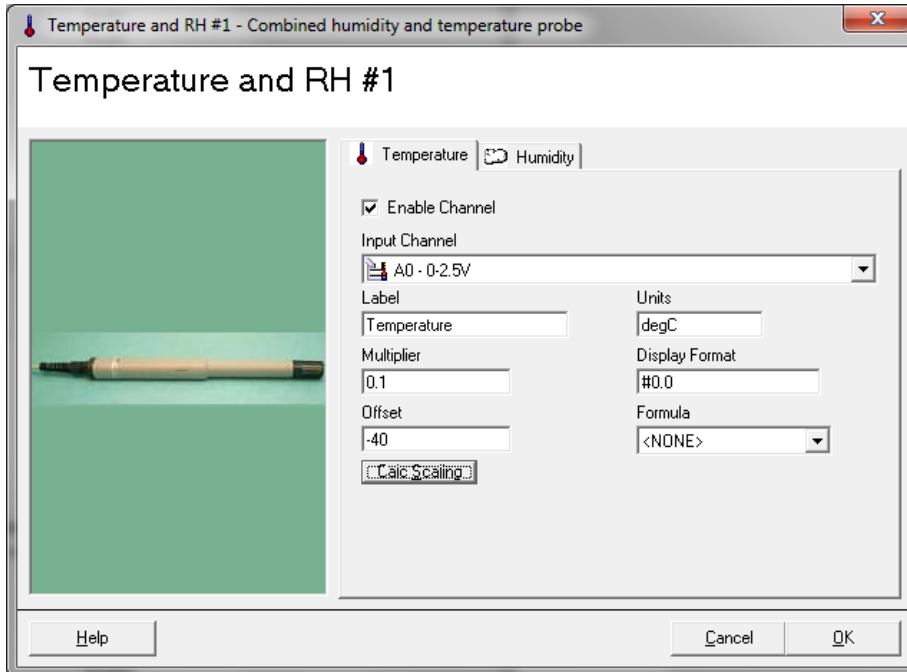
3. Mouse right click on the added scheme (Voltage #1)
Select **Advanced**



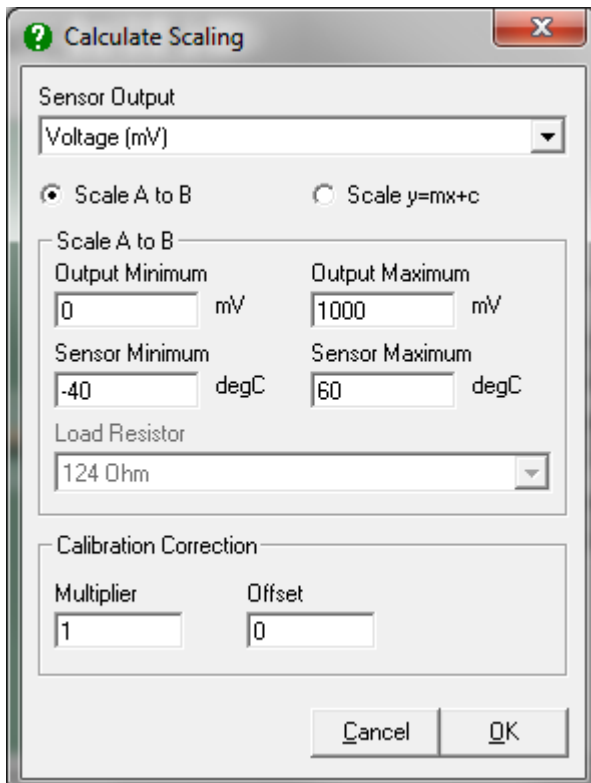
4. Edit Name and Description info if required



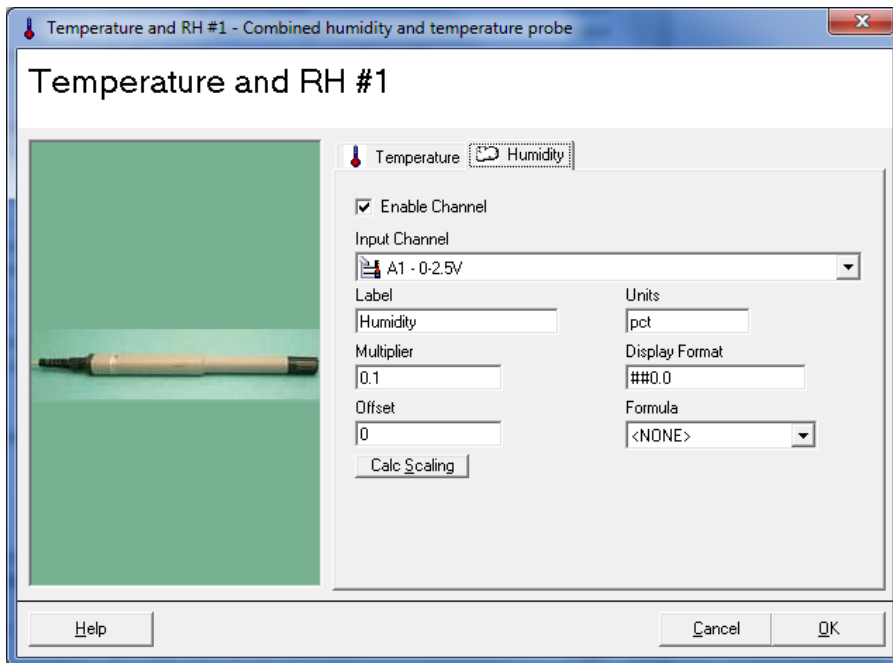
5. Double click on the instrument, edit Temperature



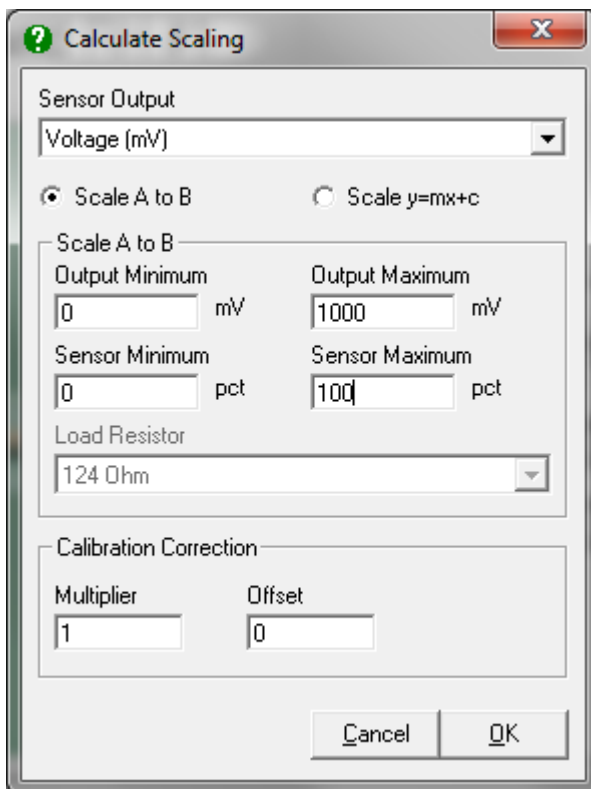
Click on Calc Scaling button and change as per Screen shot below then Click OK



Click on Humidity to edit



Click on Calc Scaling button and change as per Screen shot below then Click OK



Click OK