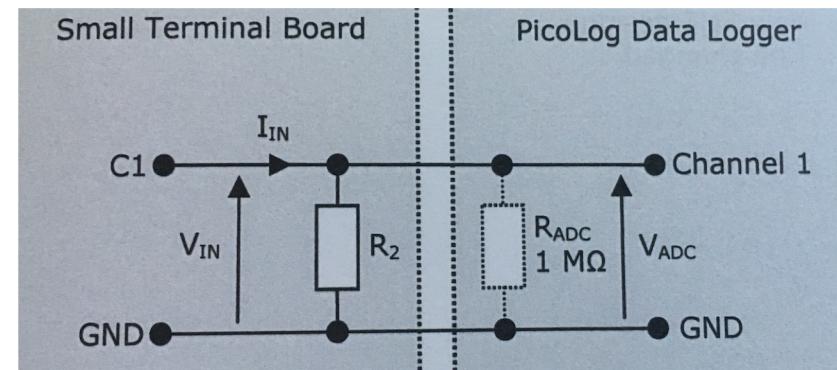
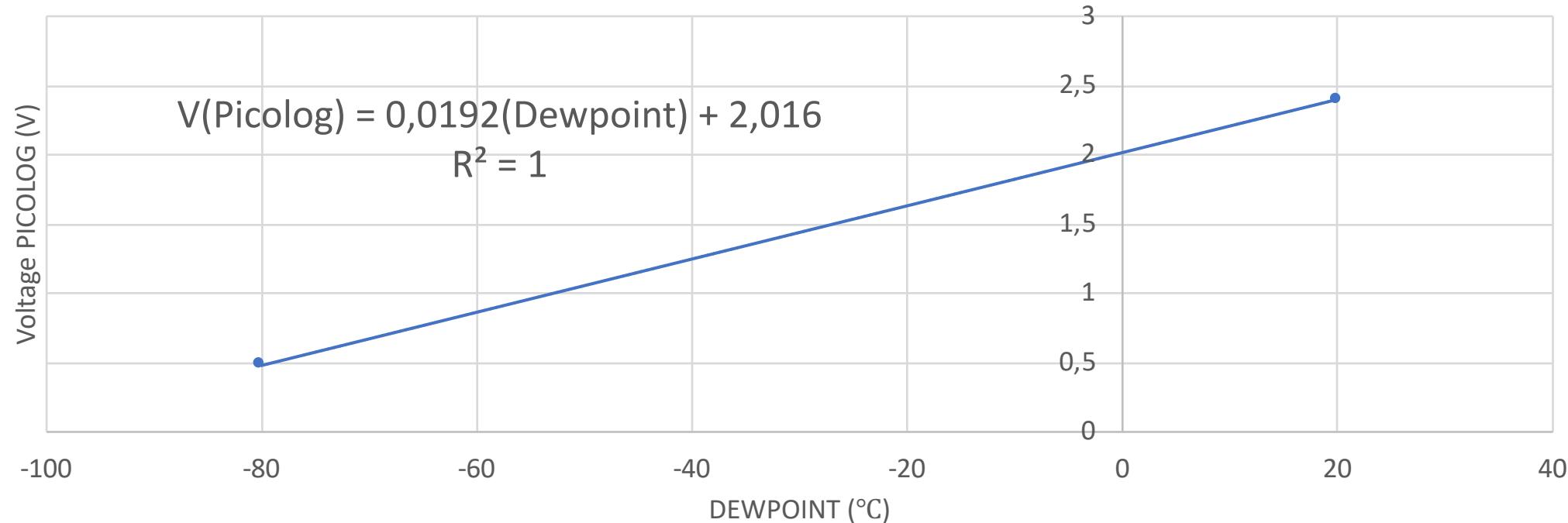


Resistor (Ohm) @ VAISALA output on Picolog		
DEWPOINT (degrees C)	Vaisala output (Amps)	TENSION PICOLOG (V)
-80	0.004	0.48
20	0.02	2.4

$$R_2 = 120 \text{ ohm}$$

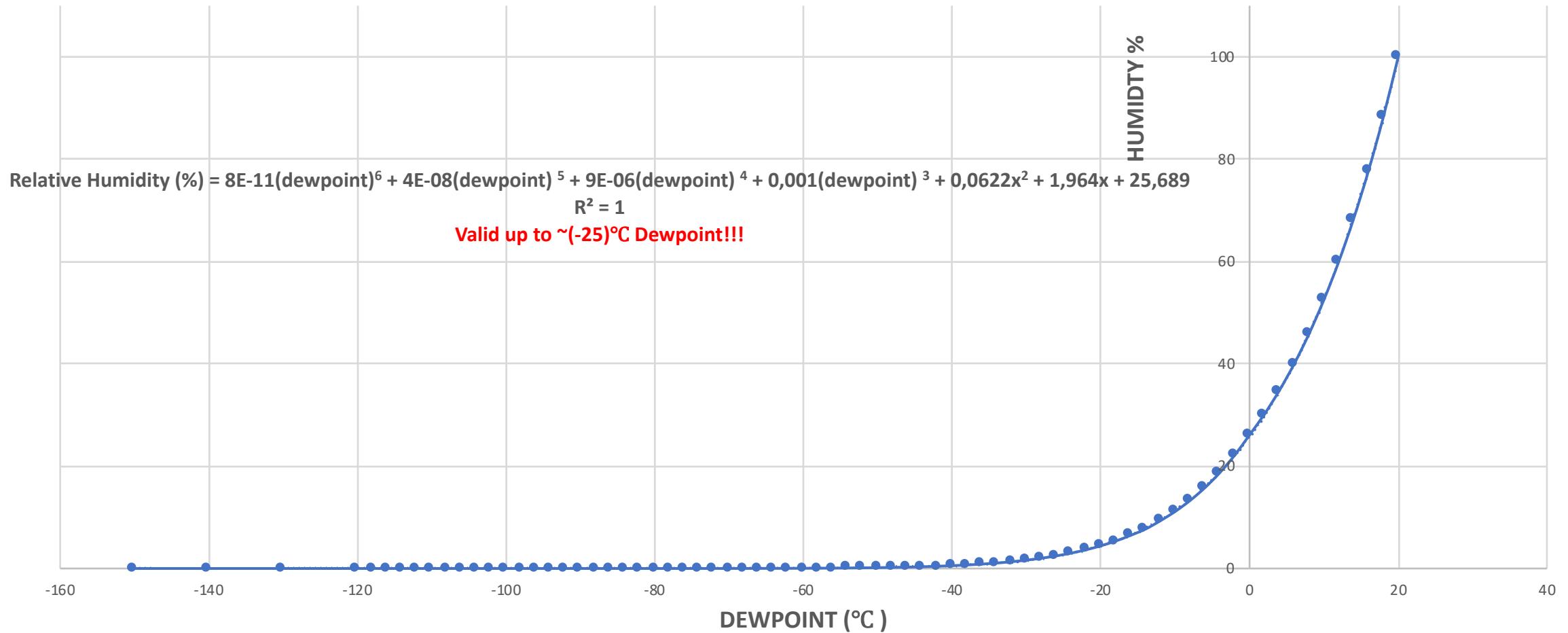


Voltage (Picolog) vs DEWPOINT (°C)



$$\text{Dewpoint } (\text{°C}) = \frac{V(\text{Picolog}) - 2.016}{0.0192}$$

HUMIDITY % vs DEWPOINT (°C)



Example below using the Picolog FV869 / 301 ... yours will have a different address

→ Maths Channel can be added to compute values such as DEWPOINT or HUMIDITY
(see attached file CS-setup-Picolog.picolog and next slide as an example)



$$\text{Dewpoint } (\text{°C}) = \frac{V(\text{Picolog}) - 2.016}{0.0192}$$

Equation from slide 3...
of course only valid until
~(-25)°C Dewpoint



Maths Channel

x

Label

DEWPOINT-FV869/301

Colour



Sample interval

1

second

$$(\text{Tension-FV869/301} \text{ V} - 2.016) / 0.0192$$

Tension-FV869/301
FV869/301 | 1

7	8	9	.	⌫
4	5	6	()
1	2	3	+	-
0	.	/	*	

[Advanced >>](#)

Return units

Temperature

°C

[Advanced options ▾](#)[Cancel](#)[Save changes](#)