

Noise at Each HX710C Inputs

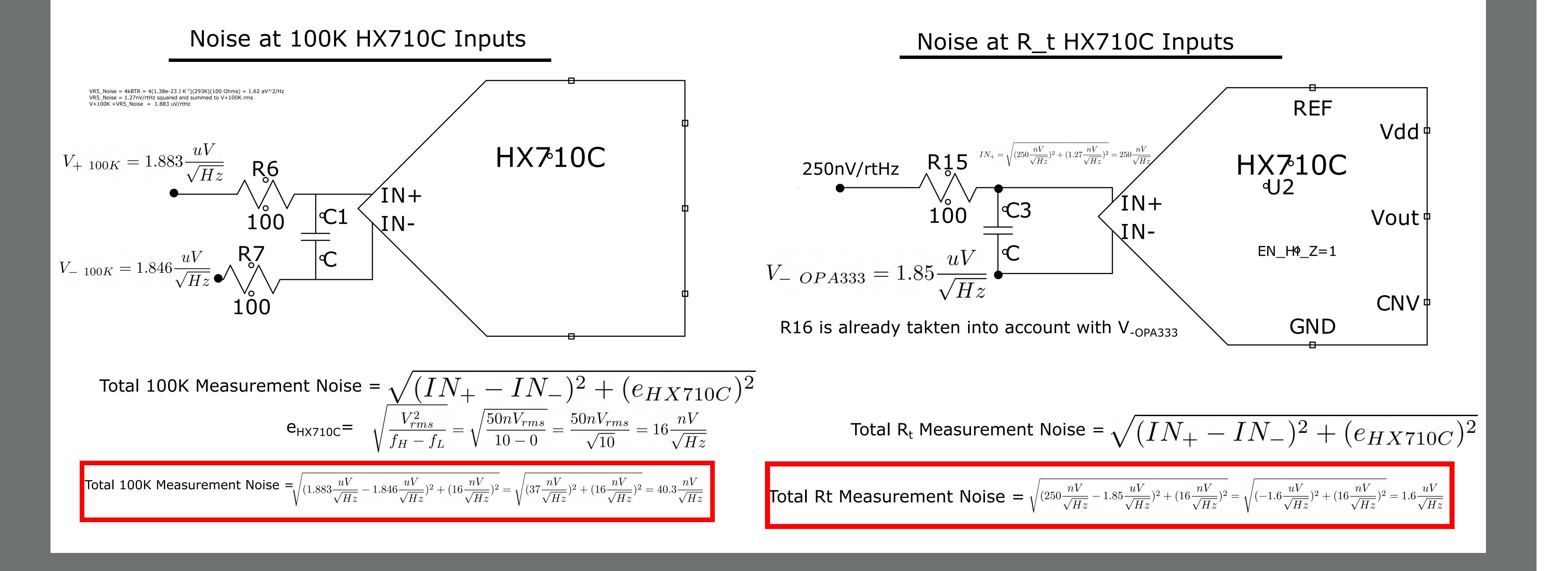
Since the INA826 must take into account the In (V-) terminal unlike our OPA2376 examples

Vout = G(Vp - Vn),

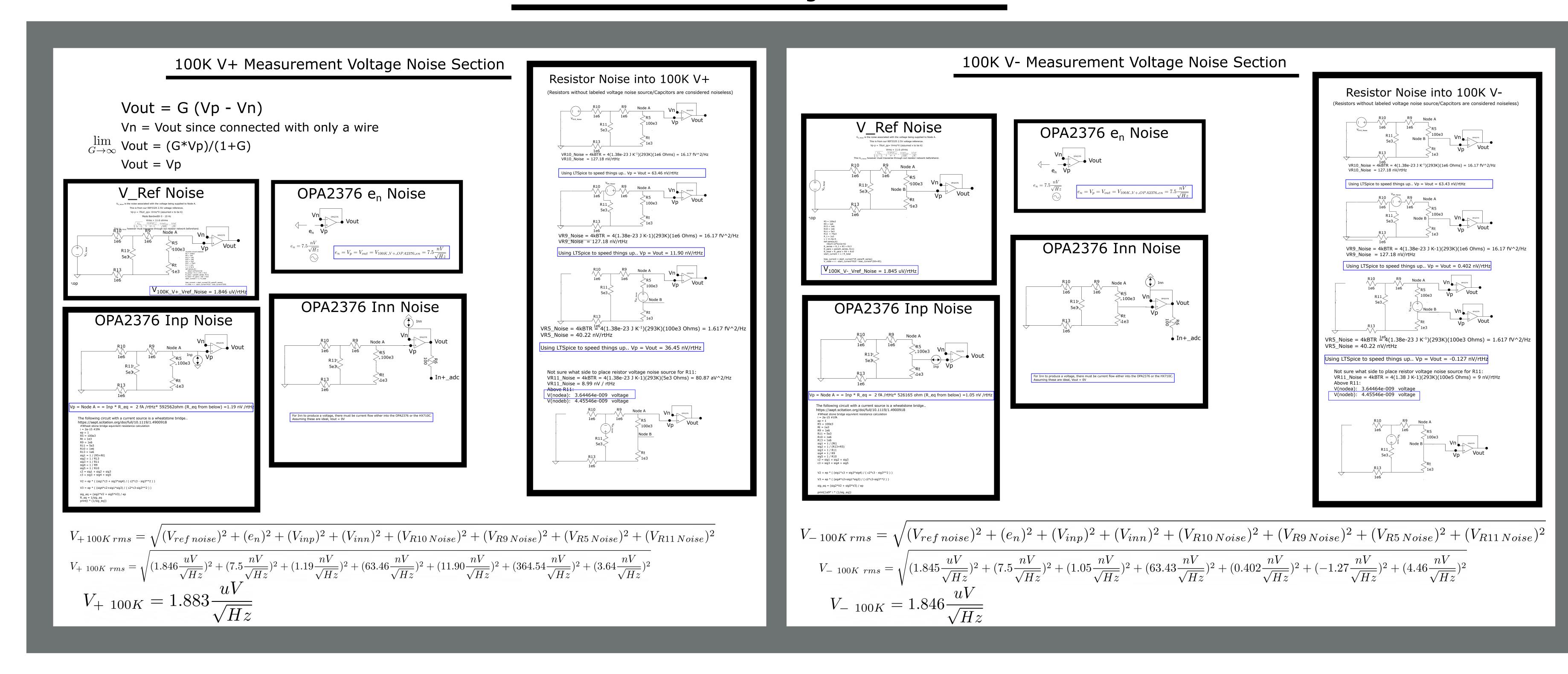
Vp = 5.79uV/rtHz + 25nV/rtHz

Vn = 5.79uV/rtHz Vout = 10*25nV/rtHz = 250nV/rtHz

 E_{nOPA-} is the squared sum of the noise output from the OPA2376 connected to R_{t-} Vice Versa for the E_{nOPA+}



100K Measurement Voltage Noise Section



OPA333 Voltage Noise Section at INA826

OPA2376:

Vout = Vp

Vout = G(Vp - Vn)

Vout = (G*Vp)/(1+G)

 $_{G
ightarrow \infty}^{\lim}$ Vn = Vout since connected with only a wire

Total Rt Measurement Noise = $\sqrt{(250 \frac{nV}{\sqrt{Hz}} - 1.85 \frac{uV}{\sqrt{Hz}})^2 + (16 \frac{nV}{\sqrt{Hz}})^2} = \sqrt{(-1.6 \frac{uV}{\sqrt{Hz}})^2 + (16 \frac{nV}{\sqrt{Hz}})^2} = 1.6 \frac{uV}{\sqrt{Hz}}$

THIS IS A HX710C EXAMPLE MODEL (DOESN'T SIMULATE LIKE ONE) IGNORE THE NAME AND PINS OTHER THAN IN+ & IN-

