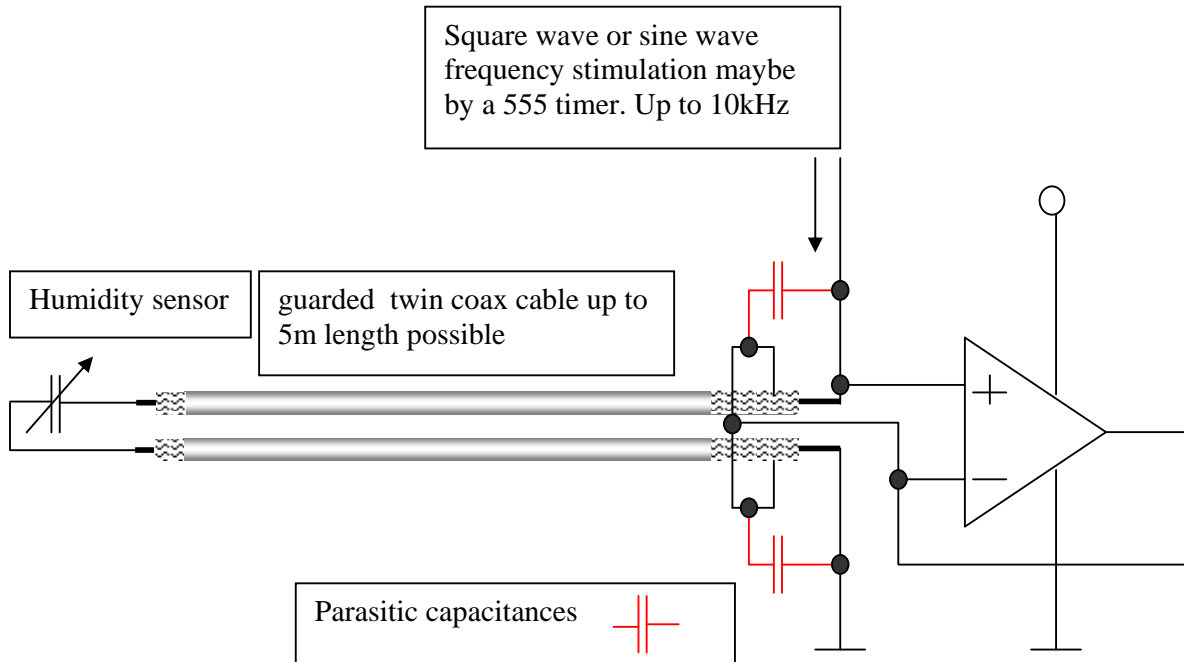




Twin coax cable based Humidity Sensor extension for separating sensor from electronics



Explanation:

The twin coax cable can be purchased with dia of less than 4mm (both together).

Parasitic capacitance is ($C/2$) parallel C(r.H.)

The signal connected parasitic C has no potential difference because of OPA.

(+)- voltage = (-)- voltage.

The ground connected C is driven by OPA- output. So both cable parasitic C 's will be

Without influence of humidity capacitance, independent on length of cable within a certain range.



INNOVATIVE SENSOR TECHNOLOGY