



Figure A In this simple circuit for measuring low-frequency current noise, the 10-GΩ resistor contributes $13 \mu\text{V}/\sqrt{\text{Hz}}$ and is buffered to the output. Extra noise at the output results from the current noise times 10 GΩ. The same circuit without modification also yields the input capacitance, C_{IN} . Powering from batteries and locating the amplifier in a cookie tin eliminate supply noise and interference.