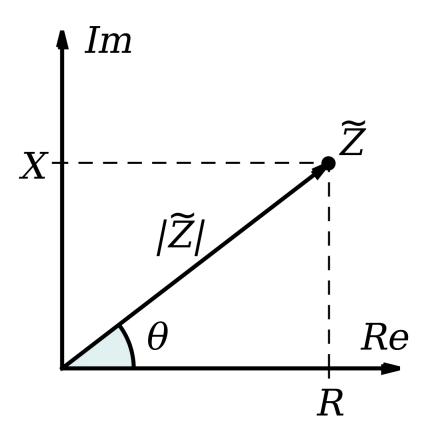


Impedance John R. Leeman GEARS 2023



Image: WikiPedia

Impedance is really "AC resistance"





Input impedance tells us how much load a system puts on the DUT

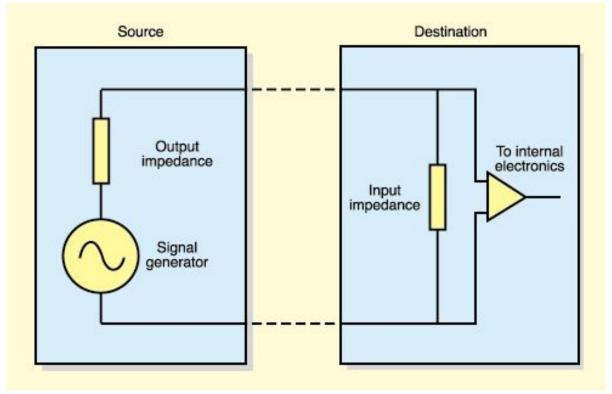
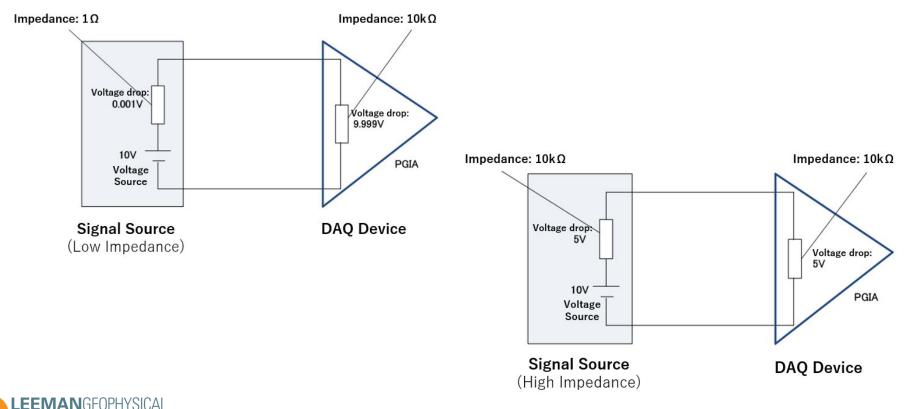




Image: Sound On Sound

Mismatched impedance can cause puzzling behavior

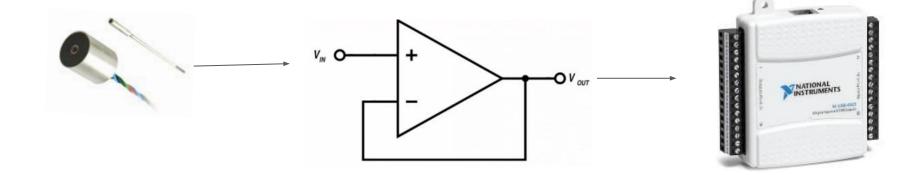
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Images: National Instruments

Often we need to buffer transducers (if we aren't using an amplifier that can buffer as well)





Images: National Instruments, TransTek, All About Circuits

This can also be a factor when connecting two DAQ systems

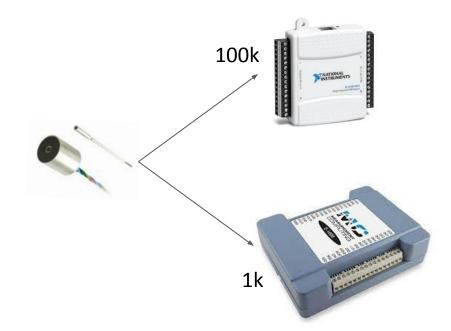




Image: TransTek, National Instruments, MCCDAQ