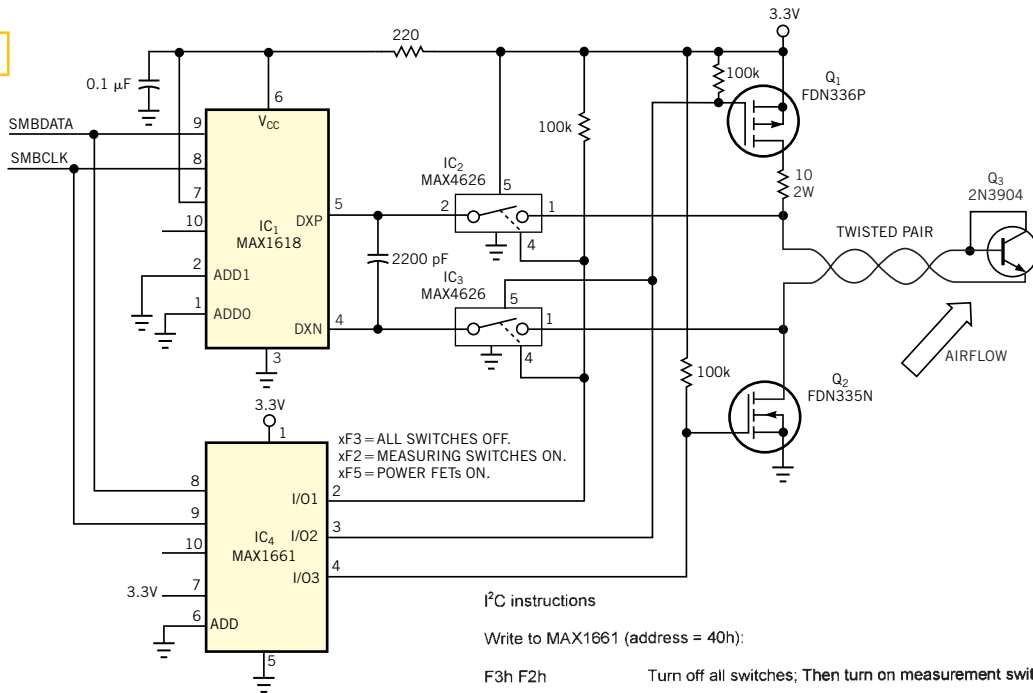


Figure 1



xF3 = ALL SWITCHES OFF.
 xF2 = MEASURING SWITCHES ON.
 xF5 = POWER FETs ON.

I²C instructions

Write to MAX1661 (address = 40h):

F3h F2h Turn off all switches; Then turn on measurement switches

Write to MAX1618 (address = 30h):

09h 48h Write Configure; One shot mode
 0Fh Write one shot command
 W 01 R ??h Read ambient temperature

Write to MAX1661

F3h F5h Turn off all switches. Then turn on power FETs

Soak for 5 minutes

Write to MAX1661

F3h F2h Turn off all switches; Then turn on measurement switches

Write to MAX1618

0Fh Write one shot command
 W 01 R ??h Read temperature

Loop on last two statements and count the time it takes for the temperature to drop to the initial ambient temperature +1°

This anemometer measures airflow by heating Q₃ and then noting the time for Q₃ to return to its original temperature.