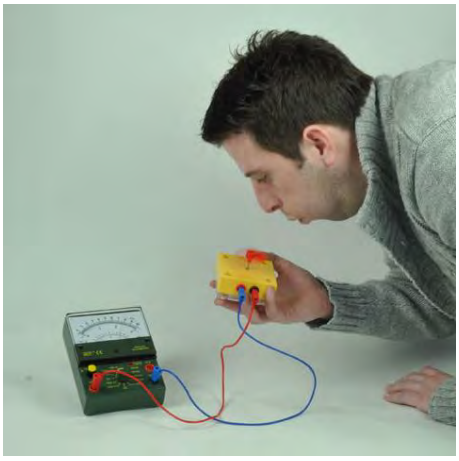
WIND POWER - CONTINUATIVE EXPERIMENTS

AES 3.1.1

Experiment 1:

Who has the "strongest" breath?
To determine this parameter we measure the voltage derived from the propeller with generator.



Action:

- Place the propeller on the brick (device)
- Set the meter to the range of 10 V (DC)
- Connect the device with the meter
- Blow on the propeller as strong as possible
- Read off the voltage

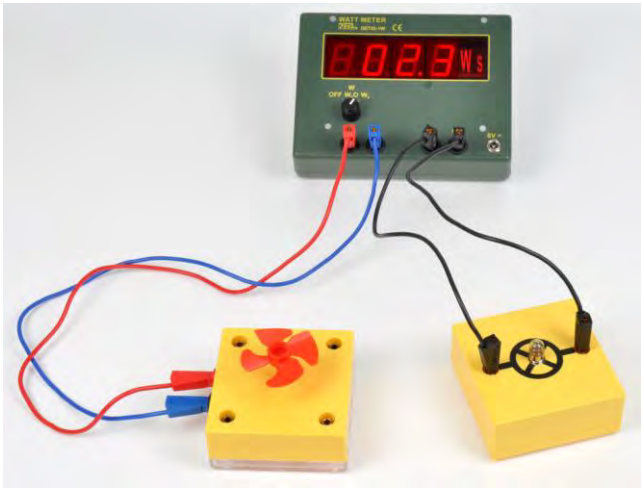
Note:
It is recommended to use an analog meter, since the supplied power is not constantly performing when blowing on the propeller.

What kind of problem appears?
As the power can not be supplied constantly the measured value can not be determined exactly.

Result:
The student who achieves the highest voltage is the one with the "strongest" breath.

Experiment 2:

How can we determine the generated power?



Experiment:

We use the "inno - watt meter for this experiment. The energy input gets done by the propeller with generator. The lamp 2.5V in the brick is the consumer.

Advice:
As the supplied power in this experiment is not performing constantly, it is very difficult to measure exact values of this performance without the help of a Wattmeter.
The "inno - Wattmeter" directly displays the performance (in W). Also, the performance in certain time intervalls (Ws) can be displayed.

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