

MEASURING DEVICES

The Lab holds the following measuring devices. Students and faculty can check them out throughout the semester.

THERMOMETERS



CALIBER



CORAL LIFE



GENERAL
IRT205



REED
SD-4023

SOUND LEVEL METER

A Sound Level Meter is an instrument designed to measure sound levels in a standardized way. It gives reproducible measurements of sound pressure levels.



EXTECH
407730

DATA LOGGERS

Data loggers automatically monitor and record environmental parameters over time, allowing conditions to be measured, documented, and analysed. The data logger contains a sensor to receive the information and a memory chip to store it.



HOBO
U12 Temp



HOBO
U12 Multi Log



HOBO
UX090



HOBO
UX100

ENVIRONMENTAL METERS



KESTREL
3500



EXTECH
4 in 1



EXTECH
5 in 1



KESTREL
5000



KESTREL
D2

These instruments are used to measure wind speed, temperature, light level, relative humidity, and barometric pressure, among other environmental parameters.

ANEMOMETER

An anemometer is an instrument that measures wind speed and wind pressure.



EXTECH
AN310



LA CROSSE
EA-3010U

HEAT STRESS TRACKER

Heat Stress Meters measure temperature, humidity, and direct or sunlight to determine the “What it feels like” temperature.

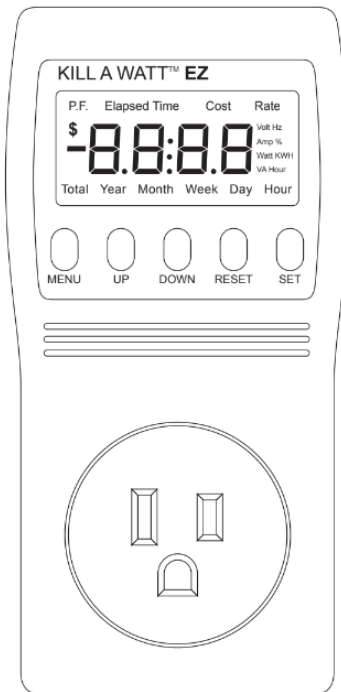


KESTREL
4400 / 4600

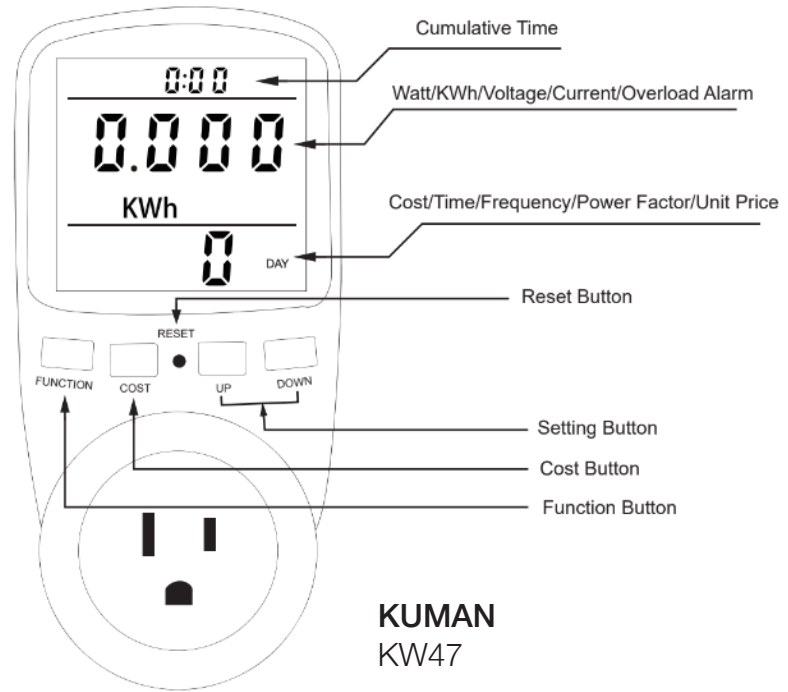
POWER METER

A power meter measures electrical power by measuring voltage and current. It can be used to measure the energy use of appliances by plugging the appliance into the meter and then plugging the meter into a power socket. The user can also input the cost of electricity per kilowatt-hour (kWh) to calculate the cost of running the appliance.

INTERTEK
P4460



KUMAN
KW47



DIGITAL RADON MONITOR

Radon detectors measure radon gas levels in a room's air. It can build up over time, leading to poor indoor air quality and health issues.



CORENTIUM

SUN PATH DIAGRAMS

It is a chart that shows the sun's position in the sky at any time of day, year, and latitude. It can also show the sun's azimuth and tilt, which can help determine the sun's position. They are useful tools for architectural site analysis.

