

Measurement equipment

For projects at schools the ideal measurement equipment to deal with energy-saving, room-air condition, water consumption, room lighting and energy consumption of electrical appliances.

Indoor and outdoor temperatures

With the two digital temperature meters the indoor and outdoor temperatures can be measured just as the min. And max. Values.



The measurement devices are arranged clearly and optically attractive in a specific green suitcase. Everything is always completely at hand, extra material is not necessary.

With the set of equipment supplied, the following measurements are possible:

Room air quality

With the two digital temperature-humidity-meters the relative air humidity and the air temperature can be measured.

The measured values are displayed on a LCD-display, it is also possible to log the datas.

With the relative air humidity and the air temperature it is possible to determine the dew point temperature.

The data can be read out by the RS-232 -interface with the enclosed software.

Surface temperature

With the digital precision temperature meter it is possible to measure surface temperatures, water and air temperatures.

The wall temperature can be inspected of critical dew point temperatures (mildew potential).

With the two analog temperature meters the air temperature and the min. and max. values can be measured.

Illuminance level

With the lux meter class-rooms and laboratory areas can be inspected of adequate and evenly distributed illuminance level - which is prerequisite for a non fatigue seeing.

This way it is possible to detect deficiencies and wasteful illumination can be avoided.

Water consumption

With the flow rate meter the water consumption at every spigot can be determined.

Energy consumption of electrical appliances

With the energy meter the energy consumption of electrical appliances can be determined as well as the energy costs.

Energie Check junior



Content:

- 1 Lux meter digital
Effective range 0 - 50,000 Lux, value-hold-function, sensor external with spiral cable.
Metering precision +/- 5% + 2 digits
- 1 Precision digital thermometer
External sensor for measuring of surface, water and air temperatures
Effective range -199.9 ...+199.9 C°,
Resolution 0.1° C
Precision 0...100° C: 0.1°C +/- 1 digit
- 2 Energy cost meters digital
Measuring of energy, power (Effective power), voltage, measuring duration, duty cycle, costs, min. / max. values, cost prognosis and more features

- 1 Flow rate meter
Effective range 1 to 25 l/min, actual value can be read off directly on the scale
- 2 Temperature humidity meters digital
Effective range temperatur: 0 .. + 59.9° C,
Metering precision +/- 0.5 °C
Effective range relative air humidity: 1 .. 99 %
Metering precision +/- 3%
Time (DCF-77 signal)
Min.-/ Max.- values
Preset of alarm values possible
Average values
Dew point temperature
Big digital-LCD-display,
Data logger, up to 3,000 values,
memory, time interval selectable
RS 232-interface
Foot to put up
- 2 Interface cables
 - 1 Software to read out, data export and processing with other software possible
 - 2 Indoor-/ outdoor temperature meters digital
External sensor for measuring the outdoor temperature,
Cable length 3 m
Effective range indoor temp. -10 ...+60° C
Effective range outdoor temp. -50 ...+70° C
Min- / Max. - values
Big digital-LCD-display
 - 2 Indoor temperature meters analog
Effective range -35 ...+50° C
Min- / Max. - values, reset
- 1 Set of short form instructions

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