

## 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.

## Content



- 1 Lux meter digital**  
Effective range 0 - 50,000 Lux, value-hold-function, sensor external with spiral cable. Metering precision +/- 5% + 2 digits



- 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  
Software to read out, data export and processing with other software possible



- 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 Enery cost meters digital**  
Measuring of energy, power (Effective power), voltage, measuring duration, duty cycle, costs, min. / max. values, cost prognosis and more features



- 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



- 1 Flow rate meter**  
Effective range 1 to 25 l/min, actual value can be read off directly on the scale



- 2 Indoor temperature meters analog**  
Effective range -35 ...+50° C  
Min- / Max. - values, reset

- 1 Instructions**  
**1 Solutions**  
**1 Professional informations**

Subjekt to alteration. State: 2014-06

IKS Photovoltaik GmbH  
An der Kurhessenhalle 16 b  
34134 Kassel / Germany  
Phone +49 (0) 561 / 9538050  
Fax +49 (0) 561 / 9538051  
www.iks-photovoltaik.de  
info@iks-photovoltaik.de



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