

BASIC SCIENCE KITS

BIOLOGY

OVERVIEW OF THE RANGE OF TOPICS

With about 65 simple experiments, basic aspects of biology are handled in the areas of botany, ecology, microbiology, physiology, microscopy and genetics.



Topics	Experiments
BOTANY	
Germination and growth	16
Water balance of plants	9
ECOLOGY	
Physical - chemical factors	5
Soil factors	4
Analysis of ecological systems	2
Trophic structures	1
Analysis of biological systems	3
Ecological measurements	3
MICROBIOLOGY	
Yeast cells	1
PHYSIOLOGY	
Hearing	1
Skin sensing	3
Human physiology	1
Energy budget	1
MICROSCOPY	
Introduction to microscopy	1
Examination of simple structures under the microscope	3
Examination of plant structures under the microscope	1
Coloring methods in microscopy	6
GENETICS	
Asexual reproduction	3
Dominant-recessive inheritance	2

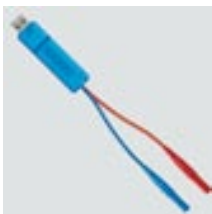
Number of Experiments **66**

COMPUTER-ASSISTED DATA LOGGING FOR BASIC SCIENCE KITS



MICRO-CASSY

- Direct connection of the sensors to the USB port (no additional interface required)
- Even multiple sensors usable at the same time
- For mobile application with netbooks and laptops
- Sensors for



Voltage



Temperature



Current



pH value

- Direct compilation of tables of measured values and diagrams
- Increase of media literacy: computers for scientific measurement and analysis

CASSY LAB 2



SOFTWARE TO PROCESS AND ANALYZE MEASURED DATA

- User interface suitable to students
- With an intuitive Help function
- Automatic identification of the connected sensors
- Free updates