

PHYSICS

CHEMISTRY
BIOLOGY

ENGINEERING



LD DIDACTIC

NEW
PRODUCT
2012

POCKET-CASSY 2 BLUETOOTH



MEASUREMENTS WITH OR WITHOUT CABLE
COMPATIBLE WITH ALL CASSY SENSORS

- Data transmission optionally via USB or Bluetooth (wireless)
- Power supply optionally via USB, mains unit (wireless to computer) or optional rechargeable battery (completely wireless)
- Sampling rate up to 100 kHz (also wireless)
- Simple battery charging



LEYBOLD®

SIMPLY FLEXIBLE MEASUREMENTS

You can experiment more freely and more flexible than ever before using the new Pocket-CASSY. Depending on the measurement requirements you can select whether you want to work wireless or not. In all cases, the full capabilities of the Pocket-CASSY and all your CASSY sensors are available. The new button on the Pocket-CASSY enables you to control measured value recording directly from the CASSY.

You have the following measurement options:

1. Pocket-CASSY on USB cable:

Simply plug the cable in and work without an additional power supply – for fixed-location experiments in the vicinity of your computer.

2. Pocket-CASSY on mains adapter:

Wireless via Bluetooth – for fixed-location experiments up to 20 m away from your computer, e.g. under an extractor or when using a whiteboard.

3. Pocket-CASSY on separately available rechargeable battery:

Wireless via Bluetooth – for fixed-location experiments, for example with moving or rotating systems or at several student workplaces.

You can multiply the battery capacity by using several rechargeable batteries for long-term measurements – right up to unlimited if individual rechargeable batteries are replaced during operation.



After measurements have been made in the classroom, all the rechargeable batteries can be plugged together within seconds (cascaded) and then charged using just one mains adapter. The battery cascade gives continuous information about the charging status.

POCKET-CASSY 2 BLUETOOTH

524 018

Resolution:	12 Bit
Max. sampling rate:	100 kHz
Timer resolution:	20 ns
Pushbutton:	for starting and stopping measured value recording
USB connection:	Micro-USB
Bluetooth range:	20 m in free space
LEDs:	green (USB), blue (Bluetooth), red (battery warning)

BLUETOOTH-DONGLE

524 0031

Range: 20 m in free space

How the Pocket-CASSY 2 Bluetooth works:



The Pocket-CASSY Bluetooth can be connected as usual via a USB cable to the computer, the sensor will automatically be recognised by CASSY Lab 2 and the measurement can either be started in CASSY Lab 2 or by pressing the button on the Pocket-CASSY.

Figure: Measured value recording with rotary motion sensor S



If the experiment is at a distance from the computer, Bluetooth is the right solution. You can collect measurement data at different locations using one Pocket-CASSY after the other, or transmit to the computer simultaneously using different Pocket-CASSYs.

Figure: Measured value recording with microphone S

RECHARGEABLE BATTERY FOR POCKET-CASSY 2 BLUETOOTH

524 019

Input:	Micro-USB, 5 V/500 mA (for mains adapter or further rechargeable battery)
Output:	Micro-USB, 5 V/500 mA (for Pocket-CASSY or further rechargeable battery)
Cascadeability:	Rechargeable batteries can be charged or discharged in series
Capacity:	4 Wh per cascaded rechargeable battery
LEDs:	yellow (charging process) green (totally charged)