

LEYBOLD®

MOBILE-CASSY 2



CASSY

THE MEASURING DEVICE

FOR STUDENT EXPERIMENTS AND DEMONSTRATIONS
IN THE NATURAL SCIENCES FOR SCHOOLS AND UNIVERSITIES

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MOBILE-CASSY 2

The only one measuring device you will need for measured values in physics, biology and chemistry at an attractive price

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(524 005)

THE MEASURING DEVICE FOR STUDENT EXPERIMENTS AND DEMONSTRATIONS IN THE NATURAL SCIENCES

The new generation of our Mobile-CASSY impresses through its

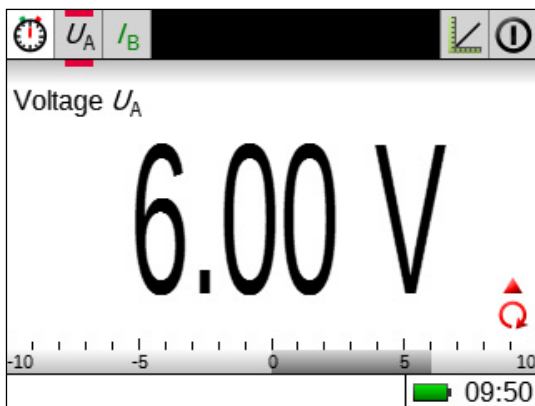
- universal connection possibilities,
- intuitive operation,
- fast recording of measured values and
- its graphics capability

This results in a wide range of applications from student experiments to demonstrations.



Set-up of the experiment: Compound pendulum with rotation sensor S

THE CORE TECHNICAL DATA

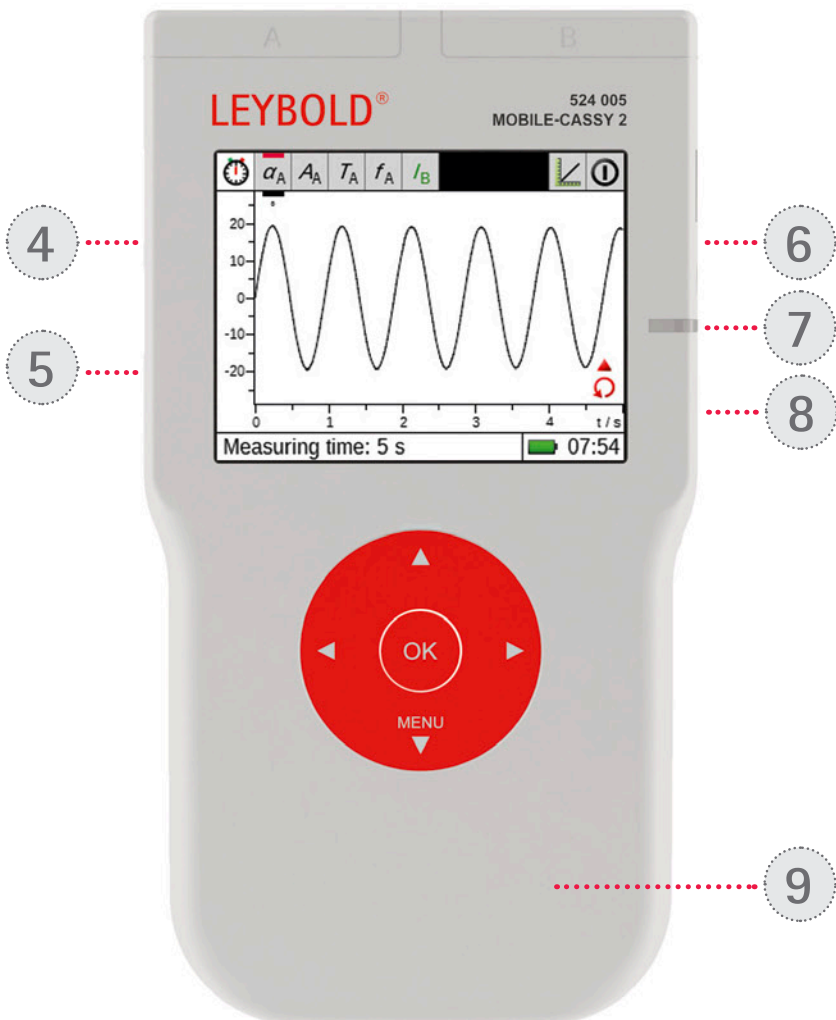
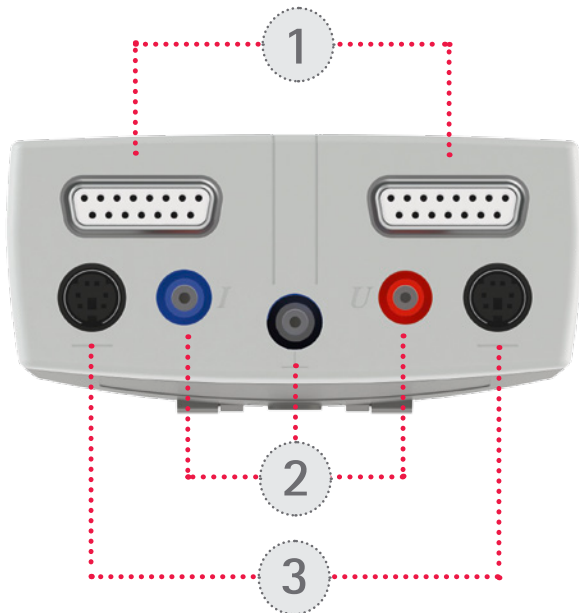


HIGH-CONTRAST DISPLAY SHOWN AT ORIGINAL SIZE AND RESOLUTION

From the display icons, above the measured value, the measurement channels are shown and can be selected. Whilst the icons below on the right are accessing the set-up menus ▲ and other displays through the touch wheel ⌚.

Graphics display:	9 cm (3.5"), colour QVGA
Operation:	large capacitive touch wheel (42 mm)
Resolution:	12 bit
Integrated measurement ranges Voltage:	$\pm 0.1/\pm 0.3/\pm 1/\pm 3/\pm 10/\pm 30$ V
Integrated measurement ranges Current:	$\pm 0.03/\pm 0.1/\pm 0.3/\pm 1/\pm 3$ A
Integrated measurement ranges Temperature:	-200 ... +200 °C / -200 ... +1200 °C
Sensor connections:	2 (CASSY sensors and sensors M)
Sampling rate:	max. 100,000 values/second
Time resolution of the timer inputs:	20 nanoseconds
Loudspeaker:	integrated for key tones and GM counter tube (can be disabled as required)
Data storage device:	integrated micro SD card for more than a thousand measurement files and screen shots, optionally also via a USB stick
Battery capacity:	14 watt-hours (AA size, replaceable)

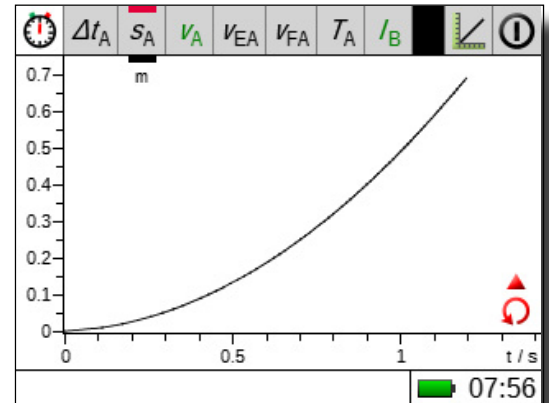
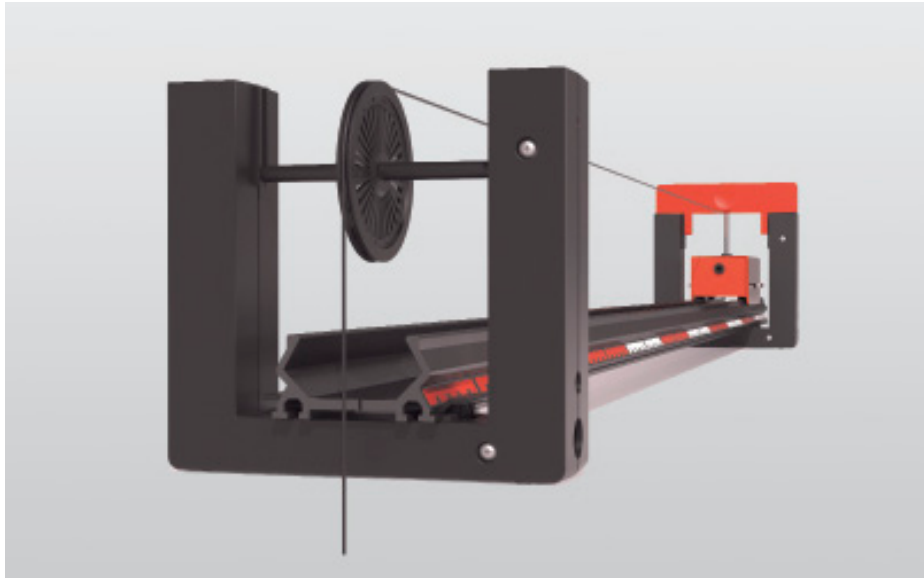
THE UNIVERSAL CONNECTION POSSIBILITIES



- 1 2 CASSY SENSORS**
all CASSY sensors and sensor boxes are supported
- 2 VOLTAGE AND CURRENT**
directly via 4 mm safety sockets
- 3 2 NEW SENSORS M**
e.g. for the light barriers in the Advanced Science Kit Set MEC 6
- 4 NiCr-Ni TEMPERATURE PROBE**
via a type K socket
- 5 USB STICK**
for the simple transfer of measured data and screen shots
- 6 PC**
via USB cable with full CASSY Lab 2 support
- 7 CHARGER (SUPPLIED)**
with status display
- 8 KENSINGTON LOCK**
as anti-theft protection
- 9 WIRELESS LAN (OPTIONAL)**
for wireless data transfer e.g. to a PC with CASSY Lab 2 or a tablet

MOBILE-CASSY 2

THE ONLY MEASURING DEVICE YOU WILL NEED FOR MEASURED VALUES IN PHYSICS, BIOLOGY AND CHEMISTRY



Recording of uniformly accelerated motion with the Advanced Science Kit Set MEC 6.

MORE THAN ENOUGH REASONS FOR THE MOBILE-CASSY 2:

- Large measured value display switches on automatically after start-up or when a sensor is attached (no boot time and no further keys to press).
- Measurement of voltage and current across many measurement ranges with test leads connected via 4 mm safety sockets - thus replacing the need for multimeters.
- Type K socket for NiCr-Ni temperature probe integrated.
- Compatible with all CASSY sensor boxes and sensors.
- The touch wheel - with a turn of the wheel quickly change to the appropriate screen or the appropriate list entry.
- Particularly suitable for student groups, as the screen is not hidden during operation.
- Measurement time, measurement interval, trigger and pre-trigger (advance) are adjustable.
- Graphs of measured values with freely selectable coordinate axes and selectable evaluation methods (e.g. zoom and straight line fitting).
- Measured values and screen shots can be saved on an integrated micro SD card and copied onto a USB stick.
- Full support from CASSY Lab 2, via USB lead for teaching by demonstration with the projector.
- Replaceable, high-quality rechargeable batteries ensure long battery life both during operation (8 hours) and also on standby (several years).
- Support leg allows easy viewing angle.

Cat. No.	Designation
524 005	Mobile-CASSY 2