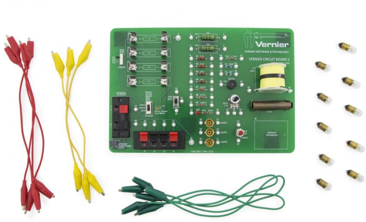

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Versuch Experimentierplatine VCB2

CHF 265.74 *

inkl. MwSt. zzgl. Versandkosten
Lieferzeit 21 Werktage

Produktinformationen "Versuch Experimentierplatine VCB2"

Mit Hilfe der zweiten Experimentierplatine von Vernier kann mit einfachen elektrischen Schaltkreisen experimentiert werden. Die Platine ist bestückt mit Kondensatoren, Widerständen, einer LED, Schaltern, Batteriehaltern, einem Anschluss für die externe Spannungsversorgung, einer selbstrückstellenden Sicherung, Lämpchensockeln, Anschlussmöglichkeiten für weitere Bauteile und Anschlusspins, die den Anschluss von Krokodilklemmen vereinfachen.

Description

The Vernier Circuit Board 2 is a basic electricity lab on a board. The turret terminals for every component make it easy to connect basic series and parallel circuits, examine the behavior of different components, and investigate RLC circuits. The Vernier Circuit Board 2 includes 10 bulbs, a resettable fuse, three powering options, 10 alligator clip leads, terminal clips to add your own components, and pre-installed components.

Installed Components

• R1 and R2–10 Ω resistors rated at 5 W
• R3 and R4–51 Ω resistors rated at 2 W
• R5 and R6–68 Ω resistors rated at 2 W
• R7–22 kΩ resistor rated at 1 W
• R8–47 kΩ resistor rated at 1 W
• R9–100 kΩ resistor rated at 1 W
• R11–4.7 kΩ resistor rated at 1 W
• C1–1 μF non-polar capacitor
• C2–10 μF non-polar capacitor
• 3 E-10 lamp sockets
• LED and 220 Ω current limiting resistor
• L1–5 mH inductor, with powdered iron core in a clip
• 1 kΩ linear potentiometer
• 85 dB buzzer
• SW2–single-pole, double-throw (SPDT) switch
• SW3–single-pole, single-throw (SPST) momentary switch

The Vernier Circuit Board 2 can be used interchangeably with the Vernier Circuit Board in experiments included in *Physics with Vernier* and *Advanced Physics with Vernier–Beyond Mechanics*.

Specifications

• Size: 10 in. x 6.5 in. (25.5 cm x 16.5 cm)
• Mass: ~0.44 kg
• Optional power sources:
  - up to 4 AA batteries, not included
  - LabQuest Power Supply, not included (or other 5 VDC adapter with center-positive ⅛ inch connector)
  - DC power supply
  - Vernier Power Amplifier
• Maximum voltage: 10 V
• Resettable fuse opens at 0.8 A, but 0.3 A or less is recommended
• All parts ROHS compliant

What’s Included

• One circuit board
• Ten insulated jumper wires fitted with mini-alligator clips
• Five #48 lamps rated 0.06 A at 2.0 V (cylindrical body)
• Five #50 lamps rated 0.220 A at 7.5 V (round body)

Bildungsstufe:	Tertiäre Bildung, Zyklus 3
Fach:	Physik, Robotik/Mikrokontroller

Weiterführende Links zu"Versuch Experimentierplatine VCB2"

• - Fragen zum Artikel?
• - User Manual-EN
• - Benutzer Handbuch DE
• - Weitere Artikel von Vernier Science Education