

BACCALAURÉAT PROFESSIONNEL

ÉPREUVE ORALE SPÉCIFIQUE – ANGLAIS

**MÉTIERS DE L'ÉLECTRICITE ET DE SES
ENVIRONNEMENTS CONNECTÉS**

**SECTION EUROPÉENNE
DURÉE DE L'ÉPREUVE : 20 minutes**

La calculatrice et le dictionnaire ne sont pas autorisés.

VOLTAGE TESTER

Situation:

You are working in an electrical maintenance company in Rochester, USA. Your boss wants you to find a new voltage tester online. You have selected 3 different items. Compare their specifications and choose the one you think the best.

Tasks:

You are expected to:

- Present the three different models you have found.
- Explain which one you would select and justify your choice.



Sperry 12-1000 VAC Voltage Detector
\$23.99

[...]This unit features an adjustable sensitivity dial able to detect the presence of AC Voltage from as low as 12 V to up to 1000 V AC and provides both audible (beeping) and visual (360 degree flashing red light) indicators to alert the user of the presence of voltage. The fully insulated probe tip eliminates the risk of contacting live electrical wires while the patented battery check feature designed into the unit ensures tester and batteries are operating properly, virtually eliminating false negative readings. [...] the design ensures a positive user experience over long hours of repeated use. Applications include testing doorbells, low voltage lighting, security system wires, AC energized wires, quickly locating hot terminals in receptacles, pinpointing breaks in wires and detecting the absence/presence of voltage at outlets, circuit breaker panels, light fixtures, switches and motors.

What's Included: Pocket Clip


- Built-in flashlight
- Patented battery self-test feature
- Easily fits into any pocket or tool belt
- Pocket-clip for secure portability



Gardner Bender 500 VAC, 600 VDC 2 meg Ohm, Digital Multimeter 1 pk
\$28.99

Designed to work on most household appliances and equipped with an easy-to-read 3.5 inch digital display this Gardner Bender multimeter features rubber housing to promote grip. Engineered with four testing functions; AC Voltage to 500V, DC Voltage to 600V, Resistance to 2 meg Ohms and Battery Testing for 1.5V, 9V and 12V batteries[...]. Tight and secure input jacks keep the included 26 test leads fixed firmly in place during testing. The unit comes pre-packaged with leads. Tester is rated CAT III 600V and conforms to UL 61010-1 standards and certified to CAN/CSA C22.2. (Requires 9V battery - not included).

- 16 position, smooth rotary dial
- Data hold feature captures the reading on the display
- Durable, drop resistant housing
- Clear 2000 count digital display
- Replaceable 26" test leads
- Dual off positions on dial for added convenience

	<ul style="list-style-type: none"> • Protective rubber boot with test lead holders • Snap in leads spaced to fit standard outlets • Compact design for easy use, storage and transportation
<ul style="list-style-type: none"> • Klein Tools Tough Meter Automatic LCD Multimeter 1 pk \$79.99 	<p>An automatically ranging digital multimeter that measures AC/DC voltage, AC/DC current, and resistance. It can also measure temperature, capacitance, frequency, duty-cycle, test diodes, and continuity. Klein Tools test and measurement product line was exclusively designed from the ground up by electricians for electricians. Years of field research, combined with extensive input from electricians across America, inspired the development of meters and electrical testers loaded with innovative, time-saving features.</p> <ul style="list-style-type: none"> • What's Included: Carrying Case, Test Leads, Thermocouple, and Batteries • Built to endure a 6.6 feet 2 m drop and withstand daily wear and tear on the job site • Low battery indicator and easily accessible battery and fuse replacement compartment • For use in basic and controlled electromagnetic environments such as residential, business • Measures up to 1000V AC/DC voltage, 10A AC/DC current and 40M resistance plus temperature, capacitance, frequency, duty-cycle, test diodes and continuity • CAT IV 600V / CAT III 1000V safety rating • Includes carrying pouch, test leads, alligator clips, thermocouple with adapter and batteries