

alcp precision

CDP 8100



Pack dimensions: 320 x 215 x 110 mm
Product dimensions: 120 x 65 x 27 mm

Weight:
Pack weight: 1,860 Kg
Product weight: 175 gr



This exceptionally reliable breathalyzer is equipped with a precision electrochemical sensor and keypad for easy data entry. It has been especially designed to perform alcohol evidence tests on the roadside or to carry out multiple user controls with a typical sensitivity deviation of less than 0.6% of the value measured per month.

FEATURES:

- Equipped with a keypad for data entry.
- Four possible measurement units:
 - ✓ Mg / L in exhaled air.
 - ✓ G / L in blood.
 - ✓ % BAC.
 - ✓ PPM.
- Stores up to 2,000 records in its memory, including the result, temperature, date and time of each measurement.
- Includes extremely reliable and accurate 4-digit digital graphic display, with clear messages and easy to read. Its blue background light allows night vision.
- Software access by password. Protected against possible unwanted handling.
- Other features include:
 - Automatic shutdown.
 - Function that checks the next time calibration (recommended every 6 or 12 months).
 - Battery status in real time.
 - Capacity to perform - at the user convenience - measurements in passive mode, breathe sample, or environmental air, etc.
 - Adjustable alarm level.
 - Interchangeable electrochemical sensor module.
- Allows printing test results via wireless connection at a distance of 4 meters.
- Allows you to transfer the records obtained or stored in memory to a PC via USB data cable (supplied with the kit).
- The information in the printed receipt includes:
 - ✓ Device reference.
 - ✓ Number of the printed report.
 - ✓ Date.
 - ✓ Time.
 - ✓ Environmental temperature.
 - ✓ Result.
 - ✓ Device status or mode.
 - ✓ Person examined.
 - ✓ Vehicle registration.
 - ✓ Mailing address.
 - ✓ Signature of person examined.
 - ✓ Police Reference (badge number).
- This information may be customized for large projects.

- May be used with alkaline or rechargeable batteries.
- It includes special blowing mouthpieces made of high density polypropylene provided with an anti-return system that prevents the user from inhaling from the equipment, thus preventing infections, etc.
- It allows coupling standard mouthpieces used by the traffic enforcement authorities of Spain. See photo.
- May be re-gauged once or twice a year at the CDP laboratory.

TECHNICAL SPECIFICATIONS:

- Sensor type: Alcohol sensor or electrochemical fuel cell (Fuel Sensor).
- Constant work capacity: more than 20 hours under normal use conditions.
- Accuracy: $<0.400 \pm 0.020$ mg / L 0,400 to 1,000 $\pm 5\%$ from 1,000 to 2,000 $\pm 20\%$.
- Size range: 0,000 to 2,500 mg / L (BrAC).
- Standard deviation: 0.008 mg / L.
- Alarm level: adjustable in a wide range from 0,200 to 0,600 mg / L.
- Blowing time: 3.5 sec.
- Response time: <10 sec.
- Operating temperature: $-10^{\circ}\text{C} - 50^{\circ}\text{C}$.
- Storage Temperature: $-20^{\circ}\text{C} - 60^{\circ}\text{C}$.
- Relative humidity: 20 to 90%.
- Pressure: 700 to 1300 hPa.
- Dot-matrix LCD Printer, 128 x 64 pixels, thermal
- LCD screen.