

Dräger Alcotest® 9510

The Dräger Alcotest® 9510 is the most advanced Evidential Breath-Alcohol Testing instrument exceeding all national and international program requirements. It features Dräger's famous dual sensoric technology, network and wireless communication, intuitive color touch screen interface, and was built for demanding 24/7 operation.



DUAL ALCOHOL SENSOR TECHNOLOGY

The Dräger Alcotest® 9510 employs two different and independent technologies, each analyzing and quantifying a subject's breath alcohol concentration: IR spectroscopy and Electro-Chemical-Cell technology. This offers the highest possible level of forensic analytical integrity.

INFRARED TECHNOLOGY

IR spectroscopy at 9.5 μm is virtually non-sensitive to any potentially interfering substance in the breath of a subject. Furthermore, it eliminates the need for a chopper wheel with multiple IR filters.

ELECTRO-CHEMICAL-CELL (FUEL CELL)

The Dräger fuel-cell is known worldwide for its superior accuracy, alcohol specificity, reliability, and fast recovery.

BREATH TEMPERATURE MEASUREMENT

The Alcotest® 9510 offers the measurement of the subject's breath temperature to correct the alcohol test result for breath temperature variables.

TRUE AMBIENT AIR CHECK

The Alcotest® 9510 performs an IR independent analysis of the ambient air in the absorption chamber to provide assurance that the IR system is set to zero prior to the breath test.

INTERNAL PRINTER

The quiet and reliable thermo printer delivers fast and legible high resolution documents. It does not require a printer cartridge or ink ribbons.

DISPLAY

The instrument employs a high resolution, color, LCD touch-screen. The large screen offers a virtual keyboard and delivers clear and complete text messages that allow for well guided operation.

INTERFACE CAPABILITY AND FLEXIBILITY

For optimal program integration, the Dräger Alcotest® 9510 offers almost unlimited communication and interface capabilities: 3 USB ports (for keyboard, ext. printer, memory stick, etc.), external video monitor, 2 RS232 ports, Ethernet, modem, GSM modem, wireless keyboard, and IrDA communication.

HARDWARE CONNECTIVITY AND FLEXIBILITY

The instrument offers very elaborate hardware interfaces: 3 independently valved dry-gas inlet ports, vapor inlet port, air outlet port, RFI antenna, GSM antenna, electronic service port, several A/D inputs, logic outputs, and 5 VDC output for possible peripherals.

DATA INPUT

Data can be input into the Alcotest® 9510 in many ways including the internal virtual keyboard, USB keyboard, IrDA keyboard, mag-card reader, bar/symbolic code reader, stylus on touch screen, or finger tip on touch screen.

DIAGNOSTIC CHECKS

The instrument performs intricate diagnostic checks on a continuous and simultaneous basis.

POWER VARIETY AND FLEXIBILITY

The instrument can be operated with any possible power source: 90-260 VAC, 12 VDC (vehicle), or rechargeable battery operation without the need for an adapter or an inverter.



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Breath hose

Flexible, heated and temperature controlled breath hose

Thermal printer

Fast, quiet and produces reliable documents. Easy paper drop-in feature.

Speaker

For audio signals and synthesized voice prompts

Handle

Handle for easy transport (detachable)

Stylus

Stylus for data entries via the touch screen

Rubber bumper

For protection

Start button

Single button, menu driven operation

Display

High resolution, LCD color touch screen for intuitive operation and guided data input management

IR port

IrDA port for wireless keyboard operation or PC communication

RS-232

2 RS-232 interfaces for PC communication or card readers

RFI antenna

Cuvette outlet

Exhaust port, protected against blockage

Dry-gas inlet ports

Internally valved with electro solenoids

RJ-11

Modem interface

Dry-gas inlet ports

Internally valved with electro solenoid

GSM

Antenna

Air -out port

Air inlet

RJ-45

Ethernet interface

RJ-45

Ethernet interface

AC receptacle

For 90-260 VAC operation, with two fuses

Service plug

Electronic interface with A/D inputs, logic outputs, 5 VDC output

3 USB interfaces for external printer, keyboard, memory stick

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