



FINGERPRINT PRODUCTS
INFRA-RED DOCUMENT EXAMINATION
ULTRA-VIOLET LAMPS
FRONT LINE DOCUMENT EXAMINATION
SEARCH EQUIPMENT

Buster K910BE Specification

Display

3 1/2 digit LCD with LO BAT and "minus sign" indicators. The display updates every 1/2 second and includes a pushbutton operated electroluminescent back light panel for use of the unit in dark spaces or at night. A remote reading display and connecting cable are supplied with every unit for ease of inspection.

Detector Cesium Iodide scintillation crystal.

Source

Barium 133, not exceeding 10 microcuries (370 Kbc).

Source Shield Assembly

Tungsten Carbon with stainless steel assembly parts. For maximum safety, the shield assembly is spring loaded and automatically retracts the source when the operating trigger is released. A visible red LED indicator shows when the source is in the operating position.

Scan Rate 0.25 second per reading.

Alarm

The unit is provided with an audible alarm driven by the microprocessor in the appropriate operating modes, producing 59db pulsed of 0.50 second duration when actuated. The alarm is not heard externally when the optional headset is plugged into the device.

Depth of Reading Variable up to 152mm

Operation Modes

The unit is provided with a Raw Data Mode with no alarm and current valued display reading; a Data Scan Mode with alarm and current value plus display reading; a Zero Scan Mode with alarm and a zero based display value reading, Calibration Mode, and Self-Diagnosis Mode. A Lock Mode is also provided to temporarily lock the operating display for taking a reading in an inaccessible space.

Auto Alarm Trip

The microprocessor automatically adjusts the alarm trip point on an internal standard deviation calculation formula, to assure the most sensitive operation.

Calibration

Each unit is provided with a Universal Calibration Standard, permitting all similar model units to be calibrated to a common base. All units read the same, within $\pm 2\%$ of each other after calibration. The calibration automatically compensates for decay of the source as well as routine internal component aging. The calibration is easily carried out in the field within 30 seconds, thus enabling operators to exactly compare results by phone or email.



Battery

The K910BE uses only one commonly available 9V alkaline transistor battery, easily replaceable in the field by the user and the Buster operates for approximately three months on this battery.

Carrying Case

The K910BE is supplied in with a lockable high impact carrying case with internal foam padding for each component and with a document pocket for the manuals and accessories.

Detailed Specifications

Dimensions	140 x 64 x 64 mm
Weight	1.1 Kg
Display	3 1/2 digit LCD, updates every 1/2 second, LO BATT and Minus sign. The display includes a push button operated electroluminescent back light panel.
Alarm	50 db pulse, 0.50 second interval.
Battery	9V Alkaline Disposable. Low Battery warning. (Battery Life several months)
Scan Rate	0.25 second per reading.
Auto Alarm	1 Std. Deviation + 1 count. 50 db pulses of 0.50 second deviations.
Operation Modes	Raw Data, Data Scan (Alarm), Zero Scan (Alarm) Calibration, Self-Diagnosis Modes, plus Lock Mode.
Detector	Cesium Iodide Scintillation Crystal.
Source	Barium 133 - Max 10 microcuries / 370 Kbc.
Shield	Tungsten Carbide, automatic retraction when not in use with safety indicator.
Carrying Case	K910B Contraband Detector with remote display, one pocket pencil probe, headset, manuals and consumables.

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