

RA-500

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RUGGED CAST ALUMINUM BELT WORN INSTRUMENT MEETS NRC 10 CFR 34.33 PERSONAL MONITORING



BELT LOOP OR CLIP AVAILABLE

OPTIONS: FOR USE IN HIGH NOISE AREAS, A SUN-BRIGHT 3,000 mcd LED IS INSTALLED ON TOP OF MONITOR. THE LED FLASHING LIGHT INTENSIFIES WITH RADIATION FIELD; AND/OR AN EARPHONE WITH EAR LOOP & 3 FT PLUG-IN CORD IS AVAILABLE. EXISTING MONITORS MAY BE RETROFITTED WITH THESE OPTIONS.



RA-500

RUGGED CAST ALUMINUM BELT WORN INSTRUMENT MEETS NRC 10 CFR 34.33 PERSONAL MONITORING

FEATURES:

- DETECTS GAMMA AND X-RAY
- SYSTEM TEST INCLUDES BATTERY AND ALARM TEST
- ALARM OUTPUT IS 100 DECIBLES AT SIX INCHES.
- RECESSED AND GUARD PROTECTED CONTROLS PROVIDE ADDITIONAL SAFETY MEASURES, PREVENTING ACCIDENTAL TURN-OFF WHEN IN USE AND PROVIDES DAMAGE PROTECTION
- EASY OPERATION, NO WARM UP TIME REQUIRED
- USES ONE 9 VOLT BATTERY
- EACH UNIT CALIBRATED AT FACTORY AND CERTIFIED FOR ONE YEAR
- OPTIONAL LED AND/OR EARPHONE FOR LOUD NOISE SITUATIONS

| | CRACKLING SOUND. AS THE FIELD INTENSIFIES, THE ALARM BECOMES A SOLID TONE. ACCURACY IS +/-20% |
|-----------------------|--|
| ENVIRONMENTAL EFFECTS | HUMIDITY LIMITS: 0-99% NON-CONDENSING |
| TEMPERATURE LIMITS | 30 DEGREES C to +50 DEGREES C (EXCLUDING BATTERY) |
| DETECTOR | HALOGEN QUENCHED GEIGER MUELLER TUBE EFFECTIVE LENGTH AND DIAMETER: 0.625 INCH x 0.194 INCH WALL THICKNESS: 90 mg/cm SQUARED |
| CONTROLS | ON/OFF SWITCH; BATTERY INDICATOR LIGHT; AND BATTERY/AUDIO CHECK SWITCH |
| CALIBRATION CONTROLS | A SINGLE 24 TURN POTENTIOMETER LOCATED NEAR BATTERY |
| CALIBRATION PRECISION | WITHIN 10% WHEN CALIBRATED WITH Cs-137 |

| | WALL THICKNESS: 90 mg/cm SQUARED |
|-----------------------|---|
| CONTROLS | ON/OFF SWITCH; BATTERY INDICATOR LIGHT; AND BATTERY/AUDIO CHECK SWITCH |
| CALIBRATION CONTROLS | A SINGLE 24 TURN POTENTIOMETER LOCATED NEAR BATTERY |
| CALIBRATION PRECISION | WITHIN 10% WHEN CALIBRATED WITH Cs-137 |
| BATTERY COMPLEMENT | ONE 9 VOLT (NON-ALKALINE) EVEREADY OR EQUIVALENT INCLUDED |
| BATTERY LIFE | APPROXIMATELY 6 MONTHS IN NORMAL USE. BATTERY LIFE IS SHORT- ENED WHEN ALARM IS ACTIVATED. FULL LOAD AT 500 mR/hr WITH CONSTANT ALARM, BATTERY LIFE IS 50 HOURS (ALKALINE). |
| DIMENSIONS | 2.5" WIDE x 4.25" LONG x 1.25" DEEP (EXCLUDING BELT LOOP) |



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ND-15

RUGGED CAST ALUMINUM BELT WORN INSTRUMENT DUAL-RANGE CONTINUOUS WARNING PERSONAL MONITOR



BELT LOOP OR CLIP AVAILABLE

OPTIONS: FOR USE IN HIGH NOISE AREAS, A SUN-BRIGHT 3,000 mcd LED IS INSTALLED ON TOP OF MONITOR. THE LED FLASHING LIGHT INTENSIFIES WITH RADIATION FIELD; AND/OR AN EARPHONE WITH EAR LOOP & 3 FT PLUG-IN CORD IS AVAILABLE. EXISTING MONITORS MAY BE RETROFITTED WITH THESE OPTIONS.



ND-15

RUGGED CAST ALUMINUM BELT WORN INSTRUMENT DUAL-RANGE CONTINUOUS WARNING PERSONAL MONITOR

FEATURES:

- DETECTS GAMMA AND X-RAY
- EMITS A SHORT CONSTANT-PITCH "CHIRP" WHICH VARIES FREQUENCY WHEN RADIATION INTENSIFIES
- DUAL-RANGE WITH HIGH/LOW SWITCH SETTINGS:
 HIGH RANGE PRODUCES 60 CHIRPS PER MINUTE IN A 30 mR/hr FIELD, SOLID TONE @ 500 mR
 LOW RANGE PRODUCES 60 CHIRPS PER MINUTE IN A 1 mR/hr FIELD, SOLID TONE @ 15 mR
- ALARM OUTPUT IS 100 DECIBLES AT SIX INCHES
- EASY OPERATION, NO WARM UP TIME REQUIRED
- USES ONE 9 VOLT BATTERY
- OPTIONAL LED AND/OR EARPHONE

SPECIFICATIONS EXPOSURE RATE LIMIT......IN EXCESS OF 1000 R/hr ALARM OUTPUT......SOLID STATE AUDIO-TONE TRANSDUCER EMITS 100 DB AT 6 INCHES. AUDIO EMITS A SHORT, CONSTANT CHIRPING NOISE WHICH BECOMES A SOLID TONE AS RADIATION INTENSIFIES. ACCURACY IS + /- 20% ENVIRONMENTAL EFFECTS......HUMIDITY LIMITS: 0-99% NON-CONDENSING TEMPERATURE LIMITS.....-30 DEGREES C to +50 DEGREES C (EXCLUDING BATTERY) DETECTOR......HALOGEN QUENCHED GEIGER MUELLER TUBE EFFECTIVE LENGTH AND DIAMETER: 0.625 INCH x 0.194 INCH WALL THICKNESS: 90 mg/cm SQUARED CONTROLS.....ON/OFF AND HIGH/LOW SWITCHES LOW RANGE: 60 CHIRPS PER MINUTE IN A 1 mR/hr FIELD HIGH RANGE: 60 CHIRPS PER MINUTE IN A 30 mR/hr FIELD CALIBRATION CONTROLS......NONE, FACTORY SET CALIBRATION PRECISION......WITHIN 10% WHEN CALIBRATED WITH Cs-137 BATTERY COMPLEMENT.....ONE 9 VOLT (NON-ALKALINE) EVEREADY OR EQUIVALENT IS INCLUDED BATTERY LIFE......APPROXIMATELY 6 MONTHS IN NORMAL USE. BATTERY LIFE IS SHORT-ENED WHEN ALARM IS ACTIVATED. FULL LOAD AT 500 mR/hr WITH CONSTANT ALARM, BATTERY LIFE IS 50 HOURS (ALKALINE) WEIGHT...... 8.5 OUNCES/241 GRAMS (INCLUDING BATTERY)



The Radiation Alert[®] Sentry EC is a Personal Alarming Dosimeter / Ratemeter designed to ensure the safety of personnel that work in occupations with potential x-ray or gamma exposure.

The pocket sized unit has an energy compensated tube for a linear response to gamma and built in memory for recording data points for tracking accumulated exposure. The SentryCom Software option enables you to generate incident reconstruction for analysis. The software also permits you to easily set the vibrating and audio alert to your desired levels for dose and dose rate.

Use the audio switch to choose between audible clicks with each count recieved or a discreet silent mode.

Detector

Energy Compensated GM Tube **Dose Rate Linearity**Better than ±15% up to 15 R **Energy Response**Down to 20 KeV **Accuracy**Typically ±15% of reading (Cs¹³⁷) **Gamma Sensitivity**1.5 cps/mR/hr (Co⁶⁰)

Switch Functions

Power, Vibrate & Audible Alert, Silent Vibrating Only Alert, and Audio Clicks On/Off

Operating Range

Dose Rate: 0.1 - 15 R/hr Accumulated Dose: 0.1 - 65 R

Audible Alarms

Accumulated Dose & Dose Rate, 90db @ 1 ft.

Alarm Thresholds

Default: Dose 500 mR/Rate 50 mR/hr *Sievert Option*:

Dose 5000 µSv/Rate 500 µSv/hr Alarm and warning levels are user selectable with the optional SentryCom Software.

Power Requirements

9-Volt Alkaline Battery. Approx. 1500 hrs. at

normal background. **Enclosure** Alodized Aluminum Housing w/ Metal Belt Clip

Outputs Mini-USB





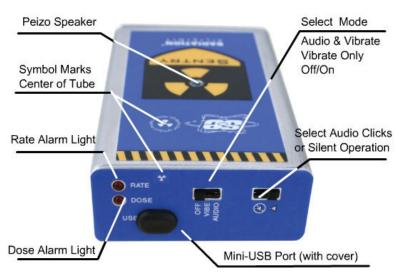
DETEK, Inc.

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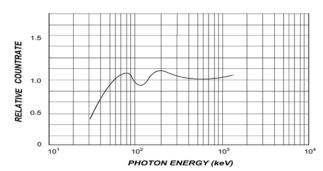
THE SENTRY EC

RADIATION ALERT ® PERSONAL ALARMING RATE METER & DOSIMETER



The rugged Alodized Aluminum Housing protects the unit in tough industrial environments

Sentry USB Energy Compensated GM Energy Response



Temperature Range

-20° - + 50°C (-4° - +122°F)

Weight

228 g (8 oz)

Size

106 x 67 x 28 mm (4.2 X 2.7 X 1.1 in)

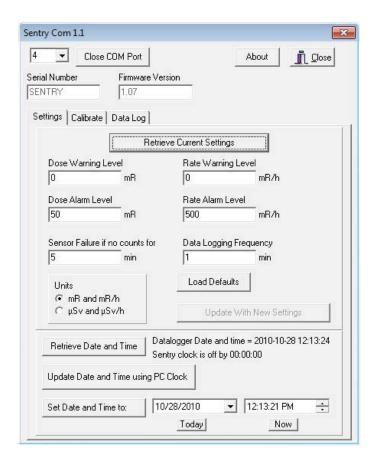
Limited Warranty

1 year limited

SentryCom Software

The optional SentryCom Software enables you to easily integrate The Sentry into your radiation safety program by allowing you to select the thresholds for dose and dose rate alarms/warnings. You can set the Cal Factor, and the data logging frequency, and download the accumulated dose data as a text file. The report includes a delimited time and date stamp, exposure, and power cycle identifiers for easy recording and incident analysis in most spreadsheet programs. Units of measurement can be changed between mR/hr and μ Sv/hr to fit your application and reporting needs.

The SentryCom Software comes complete with mini-USB cable.





DETEK, Inc.

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The RADOS RAD-60 Personal Alarm Dosimeter is a precise and reliable instrument for ensuring the personal safety of the user. Ideally, the RAD-60 is used in everyday radiation monitoring, in stand-alone conditions. If your needs grow for a more sophisticated system, the RAD-60 can also be integrated into an Access Control System. The RAD-60

can be switched into System Mode, for the purpose of tracking Personnel Dose

records and compliance reports.

Detector

Energy compensated Si-Diode

Button Functions

- change display (dose/dose rate)
- switch ON/OFF
- chirp ON/OFF
- reset integrated dose
- · change alarm thresholds
- · activate battery test

Measurement Range

Dose: 1 uSv - 9.99 Sv or 0.1 mrem - 999 rem

Energy Response

Hp(10), 60 keV - 3 MeV, better than + or - 25%,

up to 6 MeV, better than + or - 35%

Dose Rate

5 uSv/h - 3 Sv/h or 0.5 mrem/h - 300 rem/h

Dose Rate Linearity

Better than + or - 15% up to 3 Sv/h (300 rem/h)

Calibration

Better than + or -5% (Cs-137, 662 keV at 2

mSv/h), Hp(10)

Audible Alarms

Seven separate alarms, sound level typically better than 85 dBA at 30 cm

into eveted door

- · integrated dose
- dose rate
- dose overflow
- dose rate overflow at 3 Sv/h or 300 rem/h
- low battery 1 and 2
- defect

Alarm Thresholds

Six preset values each for integrated dose and dose rate-push button selection

Connectors

Infrared communication via bottom of the dosimeter

Power Requirements

One triple A alkaline cell, typical life is 1800 hours in background

Temperature Range

-20 - + 50° C operational, humidity up to 90% RH, non-condensed

-20 - + 70° C storing

Weight

80 g (including battery)

Size

78 x 67 x 22 mm



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Pen Dosimeters

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The advanced direct reading dosimeters are rugged, precision instruments. They are higher quality and have greater reliability than other dosimeters of this type. They measure and directly read, at any time, accumulated dose (quantity of gamma and x-ray exposure). PEN dosimeters are designed to satisfy military specifications for the RADIAC METER IM-264/PD and ANSI N 13.5 and N322 requirements. A sturdy metal clip attaches the dosimeter to a pocket or any object to monitor total radiation exposure. They are hermetically sealed and immersion proof.

Exposure Range (gamma and x-rays)
PEN200mR Scale increments of 10mR
PEN500mR Scale increments of 20mR
PEN2R increments of 100 mR
PEN5R increments of 200mR
PEN20R increments of 1R
PEN2mSv increments of .1mSv
PEN5mSv increments of .2mSv
National Stock Numbers Available

Energy Dependence

±10% maximum change in sensitivity for x and gamma ray energies from 16 keV to 8 MeV.

Electrical Leakage

In the absence of radiation, the dosimeters leakage or self discharge is less than 0.5% of full scale in 24 hours at 50° C. At 20° C dosimeters will read background radiation. After gross over exposure totaling up to 2000 R the leakage is less than 5% of full scale in 48 hours at 20° C. Thereafter, the leakage will decrease to original values.

Charging Voltage

Dosimeters are capable of being charged to "zero" with 140 to 195 volts.

Accuracy

±10% of true dose for Cs-137 or Co-60 gamma.

Enclosure Material

Barrel - carbon fiber-filled, high-strength, electrically-conducting plastic with metal clip.

Weight

Approx. 19 grams (0.7 oz.)

Size

PEN- 200, 500, 2mSv, 5mSv Length: 11 cm (4.48 in)

Diameter: 1.5 cm (0.6 inches)

PEN- 2, 5, 20 Length: 11.5 cm (4.52 in)

Diameter: 1.5 cm (0.6 in)

Options

Protective sapphire lens

Warranty

2 yr limited warranty







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The patented, handheld Charger can charge a variety of direct-reading dosimeters by simply squeezing the lever of a generator. The Charger requires no batteries. By pulling a trigger, a dosimeter is easily placed in or removed from the charger. The clamping action holds the dosimeter for you. NSN# 6665-00-856-8813 - CD V-750 Model 6

Power

15,000 volt piezoelectric generator.

Discharge Bulb

Flashes to indicate the instrument is operational.

Clamping Mechanism

Spring loaded, adjustable and self locking. All metal parts are stainless steel.

Temperature Range

 -20° to $+50^{\circ}$ C (-4° to $+122^{\circ}$ F).

Humidity Range

0 to 90% Relative Humidity.

Weight

243 g (8.6 oz.).

Size

152 x 108 x 22 mm (6 x 4.2 x .87 in.)

Limited Warranty

1 year limited warranty.





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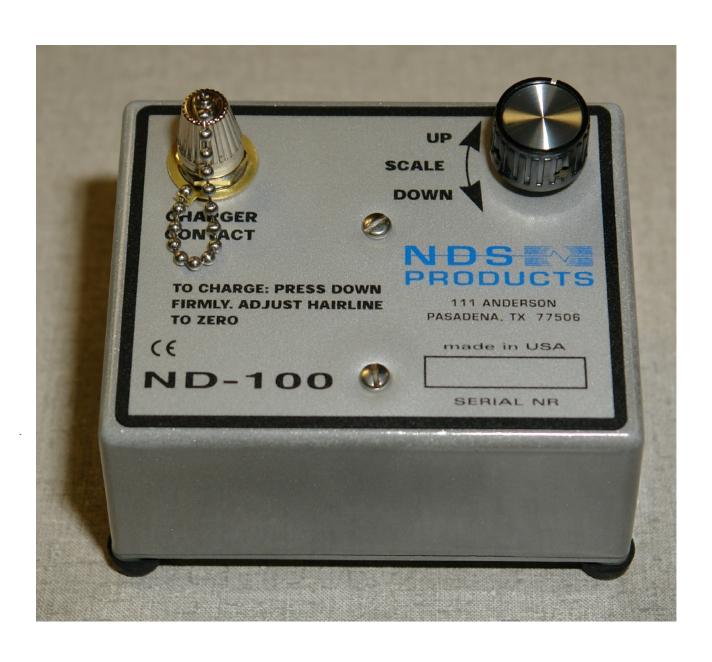


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ND-100

DIRECT READING DOSIMETER CHARGER





ND-100L & ND-100

DIRECT READING DOSIMETER CHARGERS

FEATURES:

- DURABLE DIE CAST ALUMINUM CASE WITH FOUR RUBBER FEET
- DOSIMETER CHARGERS HAVE A SAFETY SPRING IN CHARGING SOCKET PREVENTING DAMAGE TO DOSIMETER IF EXCESSIVE PRESSURE IS USED WHEN CHARGING
- THE ND-100 CHARGER USES A BRIGHT 2.47V BULB THEREBY ENABLING A BETTER VIEW OF THE DOSIMETER SCALE
- MODEL ND-100L OFFERS A BRIGHT L.E.D. SOURCE RATHER THAN THE ABOVE BULB.
 NEVER CHANGE A BULB AGAIN WITH A LIFE OVER 100,000 HOURS. THIS MODEL
 OPERATES ON ONLY 2 "AA" CELL 1.5V BATTERIES (ALK OR CARBON ZINC).
- DOSIMETER CHARGERS ARE COMPATIBLE WITH ALL DOSIMETERS MANUFACTURED.
- MODEL ND-100 USES 2 "C" CELL BATTERIES, ALKALINE ONLY.

Pressurized µR Ion Chamber Survey Meter

Victoreen® Model 451P



Introduction

The Model 451P state-of-the-art ion chamber survey meter is a hand-held battery operated unit designed for use in both rugged and normal environments. The Model 451P features a pressurized ionization chamber, providing enhanced sensitivity and improving energy response to measure gamma and x-ray radiation. The Model 451P employs microprocessor and LCD technology. The ergonomic handle, features a large diameter cushioned grip and is designed to reduce fatigue associated with extended use. The case is constructed of lightweight, high strength materials and is sealed against moisture. The user must specify R or Sv when ordering.

The display features an analog bar graph, 2.5 digit digital readout, low battery and freeze mode indicators. User controls consist of an ON/OFF button and a MODE button. The unit is auto-zeroing and auto-ranging. The display features circuitry that automatically activates the backlight in low ambient light conditions.

The RS-232 interface can be connected directly to a computer for use with the Excel add-in for Windows, enhancing the functionality of the instrument. The software allows for data retrieval, user parameter selection and provides a virtual instrument display with audible (requires sound card) and visual alarm indication. The software may be customized by the user for specific applications.

Applications

The Model 451P is used in a wide range of medical and health physics applications. The Model 451P was designed to measure leakage and scatter around diagnostic x-ray and radiation therapy suites. Also, the Model 451P is ideal for site surveys and is regularly used by x-ray manufacturers, government agencies, state inspectors, research labs, biomedical technicians, and in airports for baggage inspection equipment maintenance.



- High sensitivity µR measurements of exposure and exposure rate
- Available with dose equivalent energy response (SI units)
- Fast response to measure radiation from leakage, scatter beams and pinholes
- Ergonomic, anti-fatigue handle with replaceable grip and wrist strap
- Excel add-in for Windows® for data logging and selection of instrument operating parameters (optional)
- Low noise chamber bias supply for fast background reading
- Bright, highly visible colors
- · Easy touch keys

Features

- Ideal for a wide range of applications including NDT, x-ray, and environmental
- · Battery operated
- · Auto-ranging and auto-zeroing
- RS-232 communications interface
- Measures rate and dose simultaneously
- Tripod mount for stationary, area monitor applications
- Freeze mode indicates peak reading
- · Programmable flashing display
- · Automatic, ultra-bright LCD display
- Separate integrate mode
- Excel add-in for Windows (optional)



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Specifications

Radiation detected Beta above 1 MeV, Gamma and x-rays above 25 keV

Operating ranges

| 0 to 500 μR/h | or | 0 to 5 μSv/h |
|---------------|----|---------------------|
| 0 to 5 mR/h | or | 0 to 50 $\mu Sv/h$ |
| 0 to 50 mR/h | or | 0 to 500 $\mu Sv/h$ |
| 0 to 500 mR/h | or | 0 to 5 mSv/h |
| 0 to 5 R/h | or | 0 to 50 mSv/h |

Accuracy Within 10% of reading between 10% and 100% of full scale indication on any range, exclusive of energy response. Calibration source is ¹³⁷Cs

Detector *Chamber:* 300 cc volume pressurized air ionization chamber to 8 atmospheres or 125 psi

Controls ON/OFF and MODE

Automatic features Auto-zeroing, auto-ranging, and auto-backlight

Response time Analog response time from 10% to 90% of reading for a full scale step increase is dependent on operating range. Response time for a step increase in radiation exposure rate from background:

| Step increase, background to | Time to reach 90% of final value |
|---------------------------------|----------------------------------|
| 400 μR/h | 4.8 sec |
| 4 mR/h | 3.3 sec |
| 10 mR/h | 4.3 sec |
| 40 mR/h | 4.5 sec |
| 100 mR/h | 2.7 sec |
| 1 R/h | 2 sec |
| 4 R/h | 2.7 sec |

The following table shows time measured from 10% to 90% of final value for a step increase or decrease in exposure rate such that a range change does not occur. These values are the response times for the various ranges:

| Range | 10% to 90% |
|--------------------------|------------|
| 0 to 500 μR/h (5 μSv/h) | 5 sec |
| 0 to 5 mR/h (50 μSv/h) | 2 sec |
| 0 to 50 mR/h (500 μSv/h) | 1.8 sec |
| 0 to 500 mR/h (5 mSv/h) | 1.8 sec |
| 0 to 5 R/h (50 mSv/h) | 1.8 sec |

Power requirements Two 9 V alkaline, 200 hours operation

Warm-up time Less than two minutes for initial operation when the instrument is in equilibrium with ambient temperature

Display LCD analog/digital with backlight

Analog 100 element bar graph 2.5 inch (6.4 cm) long. Bar graph is divided into five major segments, each labeled with the appropriate value for the range of the instrument

Digital 2.5 digit display is followed by a significant zero digit depending on the operating range of the instrument. The units of measurement are indicated on the display at all times. Digits are 0.25 inches (6.4 mm) high. Low battery and freeze indicators are also provided on the display

Modes

Integrate mode Operates continuously 30 seconds after the instrument has been turned on. Integration is performed even if the instrument is displaying in mR/h or R/h

Freeze mode Will place a tick mark on the bar graph display to hold on the peak displayed value. The unit will continue to read and display current radiation values

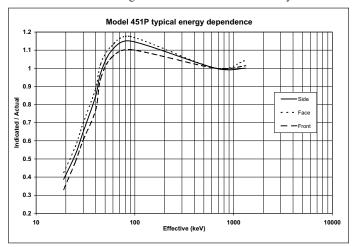
Environmental

Temperature range -4° to $+122^{\circ}$ F (-20° to $+50^{\circ}$ C)

Relative humidity 0 to 100%

Geotropism Negligible

Typical energy dependence ¹⁶Nitrogen gamma rays are 110% to 120% of indicated readings as determined at the University of Lowell



Dimensions 4 (w) x 8 (d) x 6 in (h) (10 x 20 x 15 cm)

Weight 2.4 lb (1.07 kg)

Optional accessories

451 Assistant for Excel (Model 451EXL), includes RS-232 interface cable

Single Unit Carrying Case (Model 190HPS)

Check Source, 137 Cs, 10 μ Ci. Flat disc, 1 inch diameter (Model 62-103)

Available model(s)

451P-RYR Pressurized μR Ion Chamber Survey Meter with standard chamber

451P-DE-SI-RYR Pressurized μR Ion Chamber Survey Meter with dose equivalent chamber

CE Tested. Meets applicable standards.

For more information, receive our full product catalog, or order online, contact **Radiation Management Services** business of **Fluke Biomedical**: 440.248.9300 or www.flukebiomedical.com/rms.

Specifications are subject to change without notice.

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ND-2000

3 RANGE, 0-1000 MR/HR WATERPROOF RADIOGRAPHIC SURVEY METER

FEATURES:

- DETECTS GAMMA AND X-RAY
- RUGGED, WATERPROOF, DUSTPROOF, NYLON REINFORCED FIBERGLASS CASE
- DROP TESTED FROM A DISTANCE OF 1 METER (ONTO CONCRETE) IN EXCESS OF 20 TIMES WITH NO DAMAGE OR FAILURES.
- BATTERY/HIGH VOLTAGE TEST POSITION ON RANGE SWITCH
- LARGE, RUGGEDIZED, METAL, 3.5 INCH METER INDICATOR
- USES 2 "D" CELL BATTERIES PROVIDING OVER 300 HRS OF CONTINUOUS USE (ALKALINE)
- FULLY TRANSISTORIZED
- REGULATED HIGH AND LOW VOLTAGE
- OPTIONAL AUDIBLE SPEAKER WITH OFF-ON SWITCH FOR AURAL MONITORING (ND-2000A)
- OPTIONAL GAMMA REMOTE PROBE WITH CABLE AVAILABLE (ND-2000P)

SPECIFICATIONS

| RANGES - DUAL SCALE | 0 - 1000, 0 - 100, 0 - 10 mR/hr 0-10,000; 0-1,000; 0-100 uSv/hr |
|-----------------------|--|
| EFFICIENCY | WITHIN 10% OF FULL SCALE AT STANDARD TEMPERATURE OVER OPERATING RANGE |
| ENERGY RESPONSE | GAMMA AND X-RAY FROM 80-1500 KeV, +/- 20% |
| SATURATION | IN EXCESS OF 1000 R/HR WHEN CALIBRATED AND PROPERLY MAINTAINED |
| ENVIRONMENTAL EFFECTS | HUMIDITY LIMITS: 0-99% NON-CONDENSING |
| TEMPERATURE LIMITS | |
| DETECTOR | HALOGEN QUENCHED, ENERGY COMPENSATED GEIGER MUELLER TUBE EFFECTIVE LENGTH AND DIAMETER: 0.625 INCH x 0.194 INCH WALL THICKNESS: 90 mg/cm SQUARED |
| CONTROLS | 5 POSITION ROTARY RANGE SWITCH: OFF; X-100; X-10; X-1; and BATTERY/HIGH VOLTAGE TEST |
| CALIBRATION CONTROLS | INDIVIDUAL POTENTIOMETERS FOR ADJUSTMENT OF EACH RANGE |
| CALIBRATION PRECISION | WITHIN 10% WHEN CALIBRATED WITH Cs-137 |
| RESPONSE TIME | 90% OF FINAL READING WITHIN 10 SECONDS |
| GEOTROPISIM | WITHIN 2% OF FULL SCALE IN ANY ORIENTATION |
| DIMENSIONS | 4.4 INCHES WIDE x 7.75 INCHES LONG x 6.25 INCHES HIGH (INCLUDES HANDLE) |
| WEIGHT | 3 POUNDS, 13 OUNCES/1.73 KILOGRAMS (INCLUDING BATTERIES) |



The M4 and M4EC are compact, ergonomic, general purpose survey meters capable of detecting alpha, beta, gamma, and x-rays over 3 selectable ranges. A red count light flashes and a beep sounds with each event detected. The Monitor 4EC offers a more linear reading for gamma and x-rays (above 40 keV).

Detector

Monitor 4: Halogen-quenched uncompensated GM tube with thin mica window 1.5-2.0 mg/cm² thick. Monitor 4EC: Halogen-quenched GM tube, energy compensated sidewall 2mm tin filter. Thin mica window 1.5-2.0 mg/cm² thick.

Energy Sensitivity

1000 CPM/mR/hr (Cs¹³⁷). 4EC is the same as M4 except the energy response for gamma and x-rays through the detector sidewall is flat within +61% or -26% over the range of 40 keV to 100 keV, and within +35% or -17% over the range of 100 keV to 1.3 MeV.

Operating Range

0-.5, 0-5, 0-50 mR/hr 0-500, 0-5,000, 0-50,000 CPM or 0-5, 0-50, 0-500 μSv/hr (SI Scale Meter Option)

Accuracy

Typically ±15% of reading (Cs¹³⁷)

Display

Analog Meter holds full scale in fields as high as 100X maximum reading. CPM & mR/hr scale. Optional SI Scale Meter Available



M4 with CPM & mR/hr meter scale



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Monitor 4 & 4EC

OPTIONAL MINI-USB WITH OBSERVER SOFTWARE AVAILABLE

Audio Indicator

Internally mounted beeper

Power Requirements

9-volt alkaline approx. to 2,000 hrs at background

Temperature Range

-20° to 55°C (-4° to 131°F).

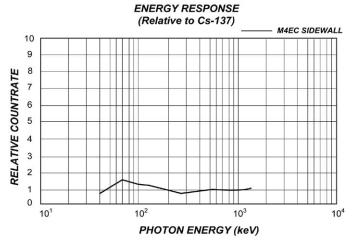
Weight

M4: 200 g (7.1 oz) M4EC: 224 g (7.9 oz)

Outputs

Dual miniature jack drives CMOS or TTL devices: count to computer or datalogger. Submini jack input allows for electronic calibration. USB versions of the M4 and M4EC have a mini-USB jack for use with the USB Observer Software.







The end window of the M4 and M4EC

Size

209 x 71 x 50 mm (8.2 x 2.8 x 1.9 in.)

Includes

Carrying Case w/ Belt Clip

Options

SI Meter Option, Observer Software, Mini-USB Option with USB Observer Software

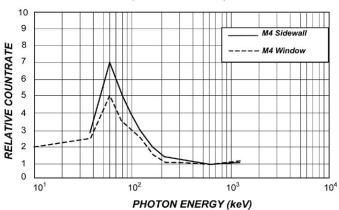
Limited Warranty

1 year limited warranty



Optional SI Meter Scale: 0-500 µS/hr & 0-50 mR/hr

ENERGY RESPONSE (Relative to Cs-137)





DETEK, Inc.

6805 Coolridge Drive Temple Hills, MD 20748-6940

800-638-0554 FAX 301-449-7011 www.detek.com sales@detek.com



Formerly the Digilert 200, The Monitor 200 measures alpha, beta, gamma, and x-rays. Its digital display shows readings in your choice of CPM, CPS, µSv/hr, mR/hr, or in accumulated counts. It has a digital display, a red count light, and a beeper that sounds with each count detected. Other features include an adjustable timer, and selectable alert. With the free Observer USB Software Family, you can set computer alarms, calibrate your instrument, and download your collected data from the internal memory for easy reporting!



Detector

Halogen-quenched GM tube with thin mica end window. Mica window density 1.5-2.0 mg/cm2. Effective window diameter is .360 inch. Side wall is .012 inch thick.

Operating Range

mR/hr - .001 (1 μ R) to 200 mR/hr μ Sv/hr - .01 to 2000 CPM - 0 to 214,000 CPS - 0 to 3575 Total/ Timer - 1 to 9,999,000 counts

Accuracy

Typically ±15% of reading. ±10% typical (NIST)

Alarm

Internally mounted beeper (can be switched off for silent operation)

Count Light

Red LED flashes with each count.

Outputs

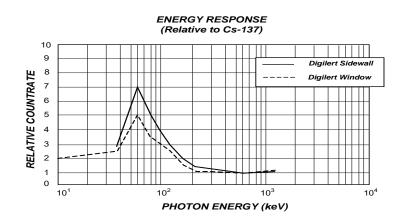
USB for Observer USB Software Family **Size**

140 X 68 X 33 mm (3.5 X 2.7 X 1.3 in.)

Energy Sensitivity

1070 CPM/mR/hr referenced to Cs¹³⁷

- Detects alpha down to 2.5 MeV; typical detection efficiency at 3.6 MeV is greater than 80%.
- Detects beta at 50 keV with typical 35% detection efficiency.
- Detects beta at 150 keV with typical 75% detection efficiency.
- Detects gamma and x-rays down to 10 keV typical through the window, 40 keV minimum through the case.



6805 COOLRIDGE DR ■ TEMPLE HILLS MD 20748 301-449-7300 ■ 800-638-0554 ■ FAX 301-449-7011

EMAIL: sales@detek.com

RADIATION ALERT Moniton ALERT

Display

Backlit Graphic LCD

Audio Indicator

Sounds with each count (can be switched off for silent operation)

Anti-Saturation

Readout will hold at full scale in radiation fields as high as 100 times the maximum reading.

Power Requirements

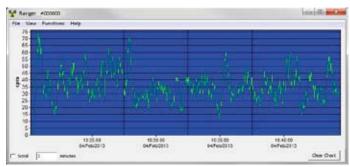
2 AA alkaline batteries

Includes

Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

Limited Warranty

1 year limited warranty



USB Observer Software collects data stored in the internal memory of The Monitor 200

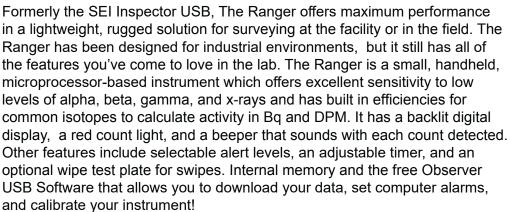


Ruggedized boot and Stand Included



| | | 7C |
|--------------------------|------------------|------------------|
| | Monitor 200 | Digilert 200 |
| | (IAV 2017) | |
| авух | $ \mathbf{Z} $ | \checkmark |
| Alert | € | € |
| Internal Memory | € | € |
| Included Protective Boot | ⊌ | |
| Included Stand | € | |
| GM Detector | Internal | Internal |
| mR/hr | .001(1µR) to 200 | .001(1µR) to 200 |
| µSv/hr | 01 to 2000 | 01 to 2000 |
| mSv/hr | n/a | n/a |
| Counts Per Minute | 0 to 214,000 | 0 to 214,000 |
| Counts per Second | 0 to 3575 | 0 to 3575 |







Internal Halogen-quenched, uncompensated GM tube with thin mica window, 1.4-2.0 mg/cm2 areal density. Effective diameter of window is 45 mm (1.77 in.). Radiation symbol on front label marks the center of the detector.

Averaging Periods

Display will update every 3 seconds. At low background levels, the update is the moving average for the past 30-second time period. The timed period for the moving average decreases as the radiation level increases.

Operating Range

mR/hr - .001 (1 μ R) to 100 CPM - 0 to 350,000 μ Sv/hr - .01 to 1000 CPS - 0 to 5000

Total/ Timer - 1 to 9,999,000 counts

Accuracy

(Referenced to Cs137) Typically ±15% from factory, ±10% with NIST Source Calibration

Size

140 X 68 X 33 mm (3.5 X 2.7 X 1.3 in.)

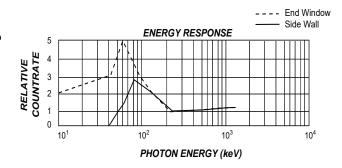
Energy Sensitivity

3340 CPM/mR/hr referenced to Cs¹³⁷

- Detects Alpha down to 2 MeV.
- Detects Beta down to .16 MeV; typical detection efficiency at 1 MeV is approx. 25%.
- Detects Gamma down to 10 KeV through the end window. Smallest detectable level for I¹²⁵ is .02 µCi at contact.

Built-In Efficiencies

⁵Sulfur (S35), ⁹⁰Strontium (Sr/y90), ¹³⁷Cesium (Cs137), ³²Phosphorus (P32), ¹⁴Carbon (C14), ¹³¹Iodine (I131), ⁶⁰Cobalt (Co60), and Alpha





Display

Backlit Graphic LCD with Backlight

Count Light

Red LED flashes with each radiation event.

Alert Set Range

mR/hr .001 - 50 and CPM 1 - 160,000. 70db @ 1m.

Alarm Indicator

Internally mounted beeper

(can be switched off for silent operation)

Outputs

USB for use with Observer USB Software Family

Anti-Saturation

Meter will hold at full scale in fields as high as 100 times the maximum reading.

Power Requirements

Two AA alkaline batteries

Includes

Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

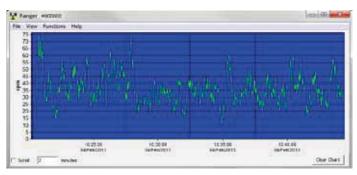
Options

Wipe Test Plate, Swipes, NIST Calibration

Limited Warranty

1 year limited





USB Observer Software collects data stored in the internal memory of The Radiation Alert Ranger



Ruggedized boot and Stand Included



View of Back



Wipe Test Plate

EMAIL: sales@detek.com



Formerly the SEI Inspector EXP, The Ranger EXP offers maximum performance in a lightweight, rugged solution for using your survey meter in the field. The Ranger EXP is designed specifically for individuals operating in tough environments. The small, handheld unit offers excellent sensitivity to low levels of alpha, beta, gamma, and x-rays. The digital readout is displayed with a red count light and a beeper sounds with each count detected. Other features include an adjustable timer, selectable alert, and with the free Observer USB Software Family, you can download your collected data, set alarms, and calibrate your meter!

Detector

RAP-RS1 Probe - External Halogen-quenched, uncompensated GM tube with thin mica window, 1.4-2.0 mg/cm² areal density. Effective diameter of window is 45 mm (1.75 in.).

Operating Range

mR/hr - .001 (1 μ R) to 100 CPM - 0 to 350,000 μ Sv/hr - .01 to 1000 CPS - 0 to 5000 Total/Timer - 1 to 9,999,000 counts

Accuracy

(Referenced to Cs137) Typically ±15% from factory, ±10% with NIST Source Calibration

Energy Sensitivity

3340 CPM/mR/hr referenced to Cs¹³⁷

- Detects Alpha down to 2 MeV.
- Detects Beta down to .16 MeV; typical detection efficiency at 1 MeV is approx. 25%.
- Detects Gamma down to 10 KeV through the end window.
- Smallest detectable level for I¹²⁵ is .02 μCi at contact.

Display

Graphic LCD with Backlight

Alert Set Range

mR/hr .001 - 100 and CPM 1 - 350,000. 70db @ 1m.

Count Light

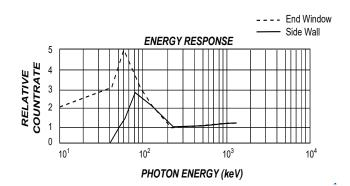
Red LED flashes with each radiation event.

Audio Indicator

Internally mounted beeper (can be switched off for silent operation)

Built-In Efficiencies

⁵Sulfur (S35), ⁹⁰Strontium (Sr/y90), ¹³⁷Cesium (Cs137), ³²Phosphorus (P32), ¹⁴Carbon (C14), ¹³¹Iodine (I131), ⁶⁰Cobalt (Co60), and Alpha



EMAIL: sales@detek.com



Size

140 X 68 X 33 mm (3.5 X 2.7 X 1.3 in.)

Probe: 260 X 70 X 25 mm (10.25 X 2.75 X 1 in)

Outputs

USB for use with Observer USB Software Family

Anti-Saturation

Meter will hold at full scale in fields as high as 100 times the maximum reading.

Power Requirements

Two AA alkaline batteries.

Includes

Carrying Case, Xtreme Boot, Stand, Mini-USB Cable, Observer USB Software Download, Certificate of Conformance

Limited Warranty

1 year limited warranty







6805 Coolridge Drive Temple Hills, MD 20748-6940

800-638-0554 FAX 301-449-7011

www.detek.com sales@detek.com

ND-4000

ECONOMICAL AREA MONITOR 12V DC PORTABLE WITH BATTERY AND BATTERY CHARGER





ND-4000

ECONOMICAL AREA MONITOR 12V DC PORTABLE WITH BATTERY AND BATTERY CHARGER

FEATURES:

- DETECTS GAMMA AND X-RAY
- NON-ADJUSTABLE TRIP POINT: 2 mR/hr STANDARD, OTHER TRIP POINTS AVAILABLE
- AUDIO PIEZO ALERT
- LARGE RED STROBE WARNING LIGHT
- 17 AMP HOUR BATTERY HOUSED IN MONITOR ENCLOSURE
- UNIT MAY BE USED WHILE BATTERY CHARGER IS PLUGGED TO 120V AC

SPECIFICATIONS

| ENERGY RESPONSE | |
|----------------------------------|--|
| MAXIMUM INTENSITY OR SATURATION. | IN EXCESS OF 1000 R/hr |
| ENVIRONMENTAL EFFECTS | HUMIDITY LIMITS: 0-99% NON-CONDENSING |
| TEMPERATURE LIMITS | 30 DEGREES C to +50 DEGREES C (EXCLUDING BATTERY) |
| DETECTOR | HALOGEN QUENCHED, ENERGY COMPENSATED GEIGER MUELLER TUBE EFFECTIVE LENGTH AND DIAMETER: 1.100 INCHES x 0.482 INCH WALL THICKNESS: 30 mg/cm SQUARED |
| SIGNALS | ONE POWER ON/OFF GREEN INDICATOR LIGHT; ONE ALARM TRIP RED BEACON LIGHT AND AUDIO ALERT |
| CONTROLS | POWER ON-OFF SWITCH; AUDIBLE ON-OFF SWITCH |
| POWER | 12V DC BATTERY WIITH CHARGER |
| ENCLOSURE12 INCHES TALL (INCLUD | NEMA 3R STEEL. MEETS UL 50 TYPE 3R, IEC 529, IP 32. ING BEACON) x 10.8 INCHES WIDE (INCLUDING HANDLES) x 8 INCHES DEEP |



6805 Coolridge Drive Temple Hills, MD 20748-6940

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ND-4000B

ECONOMICAL AREA MONITOR 120V AC HARD WIRED OR PLUG-IN VERSIONS





6805 Coolridge Drive Temple Hills, MD 20748-6940 800-638-0554 FAX 301-449-7011

www.detek.com sales@detek.com

ND-4000B

ONE ALARM TRIP RED INDICATOR LIGHT

ECONOMICAL AREA MONITOR 120V AC HARD-WIRED OR PLUG-IN VERSIONS

FEATURES:

- **DETECTS GAMMA AND X-RAY**
- NON-ADJUSTABLE TRIP POINT: 2 mR/hr STANDARD, OTHER TRIP POINTS AVAILABLE
- WILL ACTIVATE ANY 120V AC ALARM DEVICE SUCH AS:
 - WARNING LIGHTS
 - **SIRENS**
 - **DOOR INTERLOCKS**

| Ammainanininananiiinaniinaniinaninaniinaniinaniinaniinaniinaniinaniinaniinaniinaniinaniinaniinaniinaniinaniin | O . | | | | |
|---|------------|-----------|----------|------|-----------------------------------|
| ENERGY RESPONSE | ••••• | ••••• | GAMM | IA A | ND X-RAY FROM 80-2000 KeV, +/-20% |

| in vanious set Estate of Contractions | |
|---------------------------------------|--|
| ENVIRONMENTAL EFFECTS | HUMIDITY LIMITS: 0-99% NON-CONDENSING |
| TEMPERATURE LIMITS | -30 DEGREES C to +50 DEGREES C |
| DETECTOR | HALOGEN QUENCHED, ENERGY COMPENSATED GEIGER MUELLER TUBE EFFECTIVE LENGTH AND DIAMETER: 1.100 INCHES x 0.482 INCH WALL THICKNESS: 30 mg/cm SQUARED |
| SIGNALS | ONE AC POWER ON/OFF GREEN INDICATOR LIGHT; |

MAXIMUM INTENSITY OR SATURATION.......IN EXCESS OF 1000 R/hr

SPECIFICATIONS

| POWER | S |
|-------|---|
|-------|---|

REMOTE ALARM OUTLETS......TWO CONTACTS RATED AT 5 AMPS 120V AC

POWER AND ALARM FUSES (2)......5 AMPS AT 120V AC

ENCLOSURE......NEMA 3R STEEL. MEETS UL 50 TYPE 3R, IEC 529, IP 32. 8 INCHES x 8 INCHES x 4 INCHES DEEP

STANDARD CONTROL UNITS:

ND-4000B: ND-4000B: PLUG-IN UNIT WITH 6 FT POWER CORD AND TWO 120V OUTLETS

HARD-WIRE READY WITH 1/2 INCH CONDUIT CONNECTIONS

BUILT-IN OPTIONS:

ND-4000BL: ND-4000BLA: WITH RED ROTATING WARNING LIGHT MOUNTED TO TOP OF UNIT

WITH THE ABOVE LIGHT PLUS AN AUDIO ALARM

ADD-ON OPTIONS AVAILABLE:

OPTION 1

ND-AM1: PORTABLE RED ROTATING WARNING LIGHT WITH STAND AND 25 FT POWER CORD

ND-AM2: PORTABLE SIREN AND RED ROTATING LIGHT WITH STAND AND 25 FT POWER CORD **OPTION 2**



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800-638-0554 F

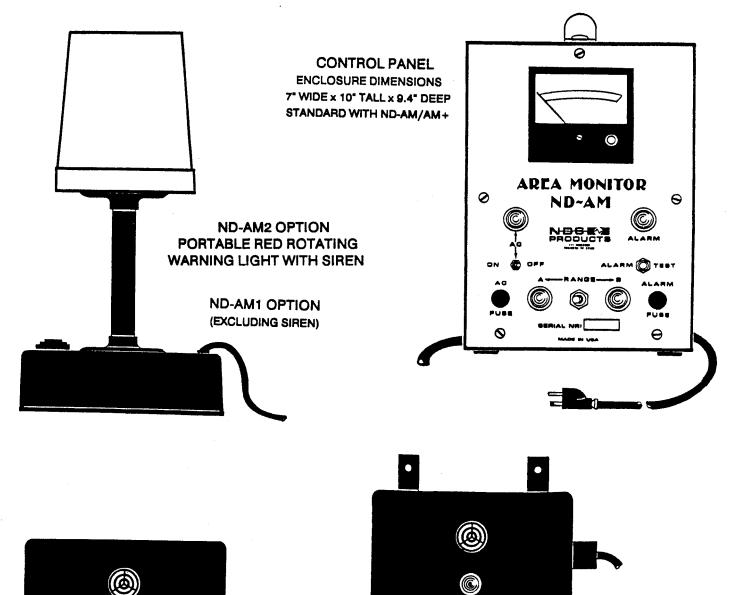
FAX 301-449-7011

www.detek.com sales@detek.com

ND-AM/AM+

AREA MONITORS and OPTIONS





ND-AM3 OPTION PORTABLE SIREN

REMOTE DETECTOR UNIT
WITH SIREN & INDICATOR LIGHT
DIMENSIONS: 4.7" TALL x 7.4" LONG x 2.25" DEEP
STANDARD WITH ND-AM+
SAME UNIT EXCLUDING SIREN FOR ND-AM



ND-AM/AM+

AREA MONITORS and OPTIONS 120V AC. TWO SELECTABLE TRIP RANGES

FEATURES:

- ENERGY RESPONSE: GAMMA AND X-RAY FROM 60-2000 KeV, +/-20%
- SYSTEM INCLUDES A CONTROL PANEL UNIT AND A DETECTOR UNIT THAT CAN BE MOUNTED UP TO 1000 FEET FROM THE CONTROL PANEL. STANDARD MODEL SUPPLIED WITH 25 FEET OF CABLE
- DETECTOR UNIT CONTAINS AN INTERMITTENT TONE, FAST PULSE SIREN AND INDICATOR LIGHT
- DEPENDING UPON RANGES CHOSEN, THE ALARM TRIP LEVEL CAN BE SET FROM 3% TO 100% OF SCALE
- WILL ACTIVATE ANY 120V AC ALARM DEVICE SUCH AS: WARNING LIGHTS, ADDITIONAL SIRENS AND DOOR INTERLOCKS
- SYSTEM IS CONFIGURABLE TO YOUR REQUEST

SPECIFICATIONS

RANGES:

ISOTOPE RADIOGRAPHY STANDARD IS 0-50 and 0-500mR/hr

X-RAY STANDARD IS 0-5 and 0-50 mR/hr

OPTIONAL BANGES:

1) 0-10 and 0-100 mB/hr

3) 0-100 and 0-1000 mR/hr

| OF HUNAL RANGES. | 1) U-10 and U-100 mh/m | 4) 0-100 and 0-1000 mk/m |
|---------------------------------|---------------------------|---|
| | 2) 0-20 and 0-200 mR/hr | 4) 0-10 and 0-100 R/hr |
| MAXIMUM INTENSITY OR SATURATION | | IN EXCESS OF 1000 R/hr |
| DETECTOR UNIT | CONTAIN WITH OUTPUT OF 80 | NS ENERGY COMPENSATED GM TUBE, SIREN 9-95 dB @ 2 FEET, AND RED INDICATOR LIGHT |
| TEMPERATURE/HUMIDITY LIMITS | | 30 DEGREES C to +50 DEGREES C; 0-99% NON-CONDENSING HUMIDITY |
| PANEL UNIT CONTROLS | POWER OFF-ON SW | VITCH; ALARM TEST SWITCH; RANGE SWITCH |
| DISPLAY | METERII | NDICATOR WITH ALARM TRIP POINT ADJUST; |
| | | RM TRIP LIGHT; TWO YELLOW RANGE LIGHTS |
| POWER | | 120V AC, 50 TO 60 CYCLES |
| REMOTE ALARM OUTLETS | | TWO CONTACTS RATED AT 5 AMPS 120V AC |
| | | LOCATED ON BACK OF CONTROL PANEL |
| POWER AND ALARM FUSES (2) | 5 AMP | S LOCATED ON FRONT OF CONTROL PANEL |

STANDARD CONTROL UNITS:

ND-AM:

CONTROL PANEL, DETECTOR UNIT, 25 FT CABLE AND 6 FT POWER CORD

ND-AM+: THE ABOVE MONITOR, DETECTOR UNIT/SIREN, 25 FT CABLE AND 6 FT POWER CORD

ADD-ON OPTIONS AVAILABLE:

OPTION 1

ND-AM1: PORTABLE RED ROTATING WARNING LIGHT AND 25 FOOT CABLE

OPTION 2

ND-AM2: PORTABLE SIREN AND RED ROTATING LIGHT 25 FOOT CABLE

OPTION 3

ND-AM3: PORTABLE SIREN WITH 25 FOOT CABLE

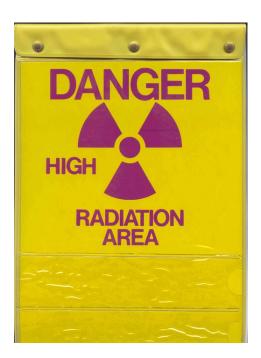


NONDESTRUCTIVE TESTING EQUIPMENT

Pocket Sign system with interchangeable inserts.

Suspend with rope using snap-flap, or request eyelets.





Sturdy cardboard sign is permanently heat-sealed in flexible vinyl with 2 or 3 pockets for inserts.



TEK NONDESTRUCTIVE TESTING EQUIPMENT

Inserts

| Item # | Name | | |
|--------|--|---------------|--|
| SC-001 | Insert, Radiation Area | SC-060 | Insert, This Equip Produc Rad Whn Ener |
| SC-002 | Insert, Low Radiation Area | SC-061 | Insert, Authorized Entrance Only |
| SC-003 | Insert, High Radiation Area | SC-062 | Insert, Tritium |
| SC-008 | Insert, Dose Rate At This Point | SC-063 | Insert, Isotope Amount Date |
| SC-009 | Insert, Radiography In Progress | SC-064 | Insert, Contaminated Water |
| SC-011 | Insert, Radioactive Material | SC-065 | Insert, Contaminated Ash |
| SC-012 | Insert, Radioactive Material Area | SC-067 | Insert, Contaminated Waste |
| SC-013 | Insert, (dose Rate; Etc) | SC-068 | Insert, Contaminated Materials |
| SC-014 | Insert, Contaminated Area | SC-069 | Insert, Contaminated Clothing |
| SC-015 | Insert, Controlled Surface Cont. | SC-070 | Insert, All Persnl Must Frsk Befr Leav |
| SC-016 | Insert, Requirements For Entry | SC-071 | Insert, Shoe Covers Required |
| SC-020 | Insert, Eating/drinking/smoking Prohib | SC-072 | Insert, No Exit-exit Centrl Pt |
| SC-021 | Insert, Airborne Radioactivity | SC-073 | Insert, Do Not Enter |
| SC-022 | Insert, Required For Entry | SC-074 | Insert, Personnel Dosimetry Required |
| SC-023 | Insert, Requirement Etc Cont. | SC-075 | Insert, Rep Required For Entry |
| SC-024 | Insert, Respiratory Pro. Require | SC-076 | Insert, Controlled Access Area |
| SC-025 | Insert, No Entry By | SC-077 | Insert, Authorized Personnel Only |
| SC-026 | Insert, Unauthorized Personnel | SC-078 | Insert, Maintenance In Progress |
| SC-027 | Insert, Keep Out | SC-079 | Insert, Notify Health Physics |
| SC-028 | Insert, Yellow Lab Coat Required | SC-080 | Insert, Mr/hr Gamma Mrem/hr Neut |
| SC-029 | Insert, Mr/hr At This Point Is. | SC-081 | Insert, Combined Dose Gamma/neut |
| SC-030 | Insert, Film Badge Required | SC-082 | Insert, Combine Dose |
| SC-031 | Insert, X-ray Producing Machine | SC-083 | Insert, Mrad/hr Beta Mrem/hr |
| SC-032 | Insert,neutron | <u>SC-084</u> | Insert, Entering Rad Exposure |
| SC-033 | Insert, Rwp Required Entry | <u>SC-085</u> | Insert, Mrad/mr Beta Mr/hr |
| SC-034 | Insert, Full Anti-con Cloth | SC-086 | Insert, Iodination In Progress |
| SC-037 | Insert, For Vistors | SC-087 | Insert, High Radiation Area |
| SC-038 | Insert, Notify Rad. Protection | SC-088 | Insert, Keep Patient In Room |
| SC-041 | Insert, Rwp/swp Required | SC-089 | Insert, Grave Danger |
| SC-042 | Insert, Notify H/p Before Entry | SC-090 | Insert, Very High Radiation Area |
| SC-043 | Insert, High Contamination Area | <u>SC-091</u> | Insert, You Are In A Radiation |
| SC-046 | Insert, Keep Locked Or Guarded | SC-092 | Insert, Dosimetry Required For Entry |
| SC-052 | Insert, Pocket Dosimeter Required | SC-093 | Insert, Controlled Area |
| SC-053 | Insert, Extremity Dosimeter Required | SC-094 | Insert, When Beacon Is Energized |
| SC-054 | Insert, High | <u>SC-095</u> | Insert, Hot Spot |
| SC-055 | Insert, Contamination | SC-096 | Insert, Tld & Pic Required For Entry |
| SC-058 | Insert, In Case For Emergency Call | <u>SC-097</u> | Insert, Tld Required For Entry |
| SC-059 | Insert, Rad MAT Is Not Perm In Ths Ara | <u>SC-098</u> | Insert, Contamination Area |



NONDESTRUCTIVE TESTING EQUIPMENT

BARRICADE TAPE



Prevent accidents by increasing visibility of hazards with our non-adhesive Barricade Tape. Tape is a lightweight, economical, reusable polyethylene, with a continuous repeat of message or warning. Can be tied, stapled or nailed in place. Meets OSHA 1910.144 for marking physical hazards. Comes standard 3" x 1000'. Also available in 200', 300' and 500' lengths. Other widths available by special order. Comes in a variety of mil thicknesses.



WOVEN PLASTIC BARRIER TAPE



Extra-durable polypropylene tapes are long-lasting solutions for marking off-limit or hazardous areas and for crowd control. Tensile strength is 100 lbs. for the 3/4" tape and 300 lbs. for the 2" tape. Available in solid colors, stripes, or printed with Caution or Danger legends. Custom printing available.

Please Specify Color

Colors Available: YB = yellow/black/yellow, WR = white/red/white, YM = yellow/magenta/yellow, YR = yellow/red/yellow, RB = red/black/red, YL = solid yellow, RD = solid red and OR = solid orange.

Sizes Available: 3/4" x 150 ft., 2" x 200 ft., 2" x 150 ft.



REWIND REEL

The Rewind Reel makes Barrier Tape even easier to reuse. Just attach the tape to a tree, post or barricade and dispense as needed. Hang reel with tape still attached to the last post. Simply roll it back up after the job is through. (For 2" tape only.)

* Quick * Reusable * Easy * Lightweight * Labor Saving * Zinc-plated Steel

Tape is also available mounted to the reel. Specify by adding tape color code as suffix to Reel Cat. No. Ex: WRR-01-RB.

6805 COOLRIDGE DR ■ TEMPLE HILLS MD 20748
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EMAIL: sales@detek.com