

Model 3276 with Model 44-9 Detector Wall-Mounted Frisker

Features

- Compact & Versatile Frisking Station
- Model 44-9 Detector for Frisking People and Objects for Alpha, Beta & Gamma Radiation
- Lifting Detector from Cradle Enables “Click” Audio
- User-Adjustable Alarms
- User-Programmable Units of Measurement, Either English or SI Units

Model 3276 Multipurpose Digital Meter

DETECTOR: Model 44-9 Alpha-Beta-Gamma Detector

HIGH VOLTAGE (HV) RANGE: 400 - 1500 VDC

LCD DISPLAY: 3-digit LCD with large 20 mm (0.8 in.) digits, (k)cps, (k)cpm, (k)Bq, (k)dpm, (μ)(m)R/h, (μ)(m)Sv/h, low-battery indicator, MAX, ALARM, AUDIO, USB

DISPLAY RANGE: 0.00 cps to 999 kcps; 0.00 cpm to 999 kcpm; 0.00 Bq to 999 kBq; 0.00 dpm to 999 kdpm; 0.00 μ R/h to 999 R/h; 0.00 μ Sv/h to 999 Sv/h

(NOTE: ranges should be set up by qualified personnel according to detector specifications)

ALARMS: count rate, exposure/dose, and scaler alarm setpoints adjustable over the display range

BACKLIGHT: continuously on to provide better visibility

USER CONTROLS:

- ON/OFF/ACK – press to turn ON, tap to acknowledge alarms and silence alarm tone, press to reset Sigma Audio alarm, press to reset or start scaler count, hold for OFF
- MODE – alternates between NORMAL (count rate), MAX (captures peak rate), and COUNT (user-selectable preset count time from 0 to 10 minutes)
- AUDIO – turn “click” audio HI/LO/off, turn Sigma Audio beep on/off
- UNITS – changes the units from count rate (cpm, cps), to dose/exposure (μ Sv/h, mR/hr), or disintegration (dpm/Bq)

BATTERY LIFE: approximately 50 hours, 16-hour low-battery warning

TEMPERATURE RANGE: -20 to 50 °C (-5 to 122 °F)

SIZE (H x W x L): 5.8 x 13.5 x 19.1 cm (2.3 x 5.3 x 7.5 in.)

WEIGHT: 0.72 kg (1.6 lb)

Model 44-9 Alpha-Beta-Gamma Radiation Detector

DETECTOR: pancake-type, halogen quenched GM

WINDOW: 15.51 cm² (2.4 in²) active, 12.26 cm² (1.9 in²) open

1.7 \pm 0.3 mg/cm² mica protected by 79% open stainless steel screen

EFFICIENCY (4 π): 5% for ¹⁴C; 22% for ⁹⁰Sr/⁹⁰Y; 19% for ⁹⁹Tc; 32% for ³²P; 15% for ²³⁹Pu; \leq 1% for ^{99m}Tc; 0.2% for ¹²⁵I

SIZE (H x W x L): 4.6 x 6.9 x 27.2 cm (1.8 x 2.7 x 10.7 in.)

WEIGHT: 0.5 kg (1 lb)

Options

Model 3276 with Wall Mount for External Detector: Part Number 48-4160-3 (detector not included)

Wall Mount for Model 3276 and Model 44-9 Detector: Part Number 4498-859-01

Wall Mount for Model 3276 and External Detector: Part Number 4498-859

