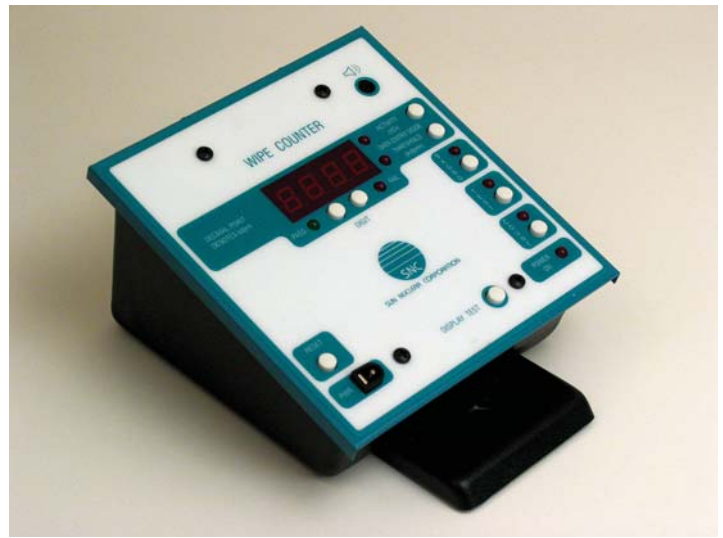


Sun Nuclear Wipe Counter

- Measures surface contamination levels in areas where radiopharmaceuticals are used
- Digital LED readout plus PASS/FAIL lights
- Can be calibrated for most common isotopes
- Can be used as a scaler displaying counts up to 999×10^5



The SUN Wipe Counter is a rugged, miniaturized system for determining removable radioactive contamination. Though priced much lower than other well counters available on the market, this unit produces exceptional results. Its low cost, combined with reliability, accuracy, ease-of-operation and convenience warrant its use everywhere that wipe testing is performed.

The SUN Wipe Counter consists of a thin-window Geiger-Mueller tube that detects beta and gamma radiation. A microprocessor converts the data to thousands of disintegrations per minute (kdpm). The instrument counts .5" diameter wipe samples or dry cotton swabs.

A green light (PASS) indicates contamination less than the preset threshold; a red light (FAIL) indicates contamination that exceeds the threshold. In addition to PASS/FAIL indicators, this instrument has a 4-digit LED digital display indicating the level of contamination in kdpm. The pass/fail threshold can be adjusted for levels other than 2000 dpm for isotopes such as iodine and other beta emitters which may have a maximum allowed contamination level limit of only 200 dpm in uncontrolled areas. As an added convenience, the instrument can be used as a scaler, displaying counts to three or four significant figures up to a maximum of 999×10^5 . The selectable counting times are 1, 5 and 20 minutes.

The SUN Wipe Counter requires a 0.50 μCi Cs-137 check source (not included), and a package of 1/2" diameter test wipes. Cotton swabs can also be used for taking the wipes.

SPECIFICATIONS:

- Contamination Threshold: + 2 Sigma above background plus threshold set by user
- Scaler: Counts up to 999×10^5 max.
- Scaler Time Intervals: 1, 5 or 20 minutes.
- Radiation Detected: Gamma > 15 keV; beta > 70 keV
- Detector: Halogen quenched GM Tube, 1.1 cm dia., 2 mg/cm² mica window, .125" lead tube shielding; 3 mg/cm² mylar tube guard
- Efficiency: Approximately 6 cpm/kdpm for Tc-99m
- Detector Voltage: 500 volts regulated
- Background Count: 24 cpm max. in 20 minute count
- Environmental Limits: -20 to 50°C, 90% rh, 10,000 ft. alt.
- Power: 18 volts, UL approved external 115 VAC power adapter
- Dimensions: 6" w x 6" depth x 4" h (15 x 15 x 10 cm)
- Weight: 2 lb (.96 kg)

075-586 Wipe Counter, 110V
Wipe Counter include: .5" dia wipe test smears

Replacements

006-352 Well Test Smears, 5" dia, 500/pkg

DISTRIBUTED BY:



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