

Faster, More Accurate than Any Well Counter on the Market

CAPRAC[®] Wipe Test / Well Counter

Don't worry about meeting the new regulations in 10 CFR Part 35.315 (200 dpm requirements for unrestricted areas and iodine contamination). Capintec's CAPRAC Wipe-Test Counter handles all of them.

Measure for measure, no other well counter offers the speed, accuracy and complete range of built-in features provided by the compact CAPRAC. It performs a wipe test in just 6 seconds (for 1 nCi) and detects extremely low levels of activity with the accuracy only a NaI drilled-well detector can provide.

The CAPRAC can also serve as a single-well gamma counter in departments that do not need multi-sample changers. User-defined protocols, trigger levels, and counting times are a "snap". A 6-channel pulse-height analyzer permits built-in gamma spectroscopy. Definable conversion factors for specific radionuclides allow the CAPRAC to calculate results in cpm, dpm, nCi,



cps, dps, or kBq. The CAPRAC also displays photon-energy histograms.

The CAPRAC is engineered and built for years of consistent, reliable performance and is Curie or Becquerel selectable. The unit has automatic background subtraction and self-diagnosis programs for systems testing with optimized signal-to-noise ratio. It includes a lead outer shield (1.3 cm thick) with optional auxiliary shield available.

FEATURES

- Meets NRC/Agreement State regulations, including new regulations in 10 CFR Part 35.315
- Simple to operate
- NaI drilled-well crystal detector
- Performs wipe test in 6 seconds
- 6-channel, pulse-height analyzer
- Preliminary isotope identification through gamma spectroscopy
- Accepts and stores individual trigger levels for different areas (hot lab, patient rooms, unrestricted, sealed-source leak tests, etc.)
- Optional printer for hard-copy archives wipe-test results; prints photon-energy histograms
- Counts which exceed trigger levels are printed in red



SPECIFICATIONS

- Counter: 16.5 lbs, 7.25" (18.4 cm) wide, 11.5" (29.2 cm) deep, 10.3" (26.2 cm) high
- NaI(Tl) crystal detector
- Power: Standard: 115VAC 50/60Hz 0.1A
Optional: 220V 50/60Hz 0.05A
- Measurement periods: 6, 20, 60, 180, 600, 1800 sec
- Radiation shield: 0.5" (1.3 cm) lead outer shield
- Counting rate: cpm, kcpm (Ci) cps, kcps (Bq)
- Counting channels:
1 = 15-100 keV
2 = 100-200 keV
3 = 200-400 keV
4 = 400-660 keV
5 = 660-800 keV
6 = >800 keV
- Sources : Cs-137 or Ba-133 (optional)
- Maximum count rate 60,000cps

ITEM #	DESCRIPTION
5430-2057	Caprac Wipe Test/Well Counter
0975-137R	Cs-137 Rod Source 0.5 μ Ci
0975-138S	Ba-133 Rod Source 0.1 μ Ci