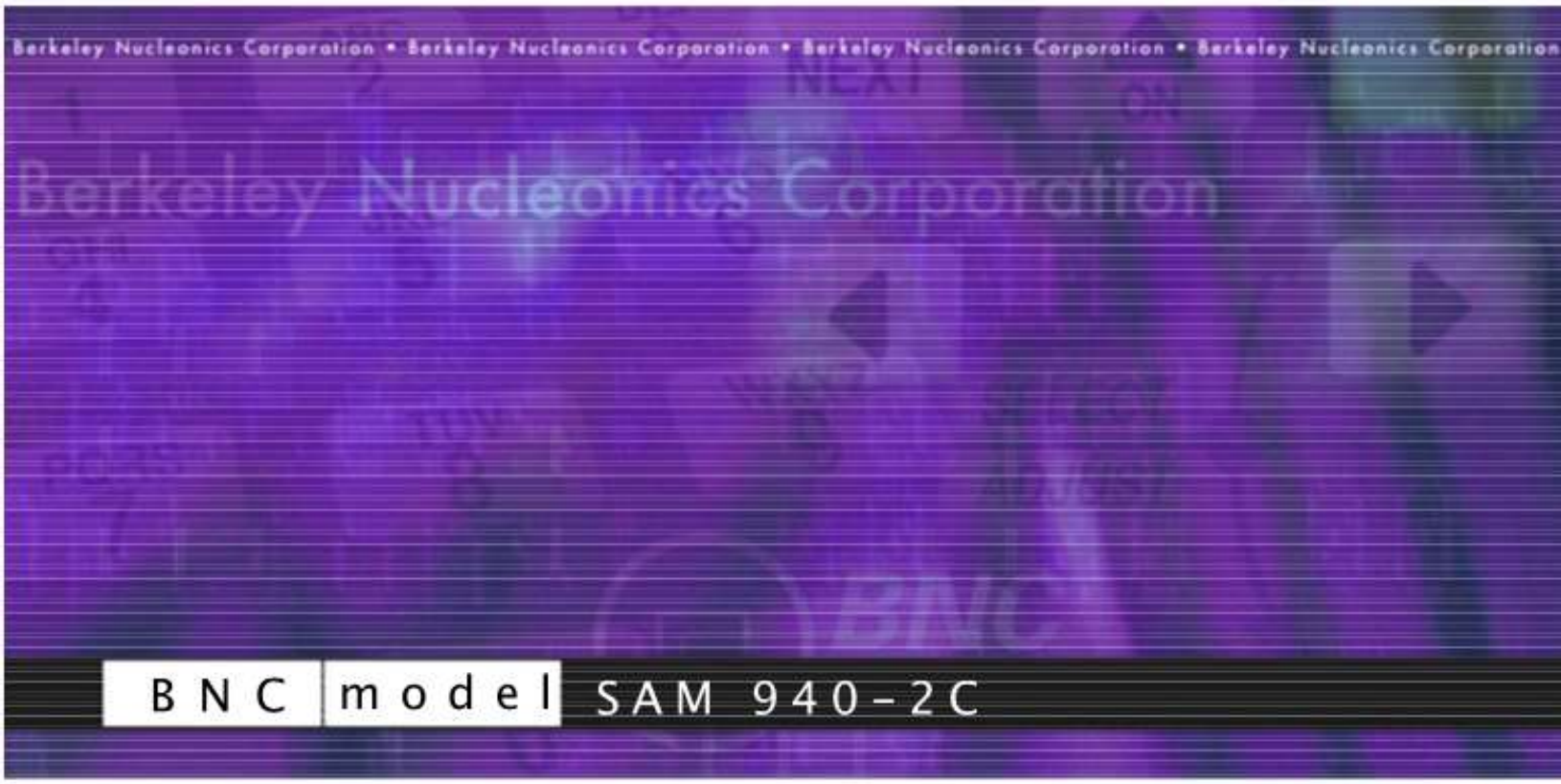
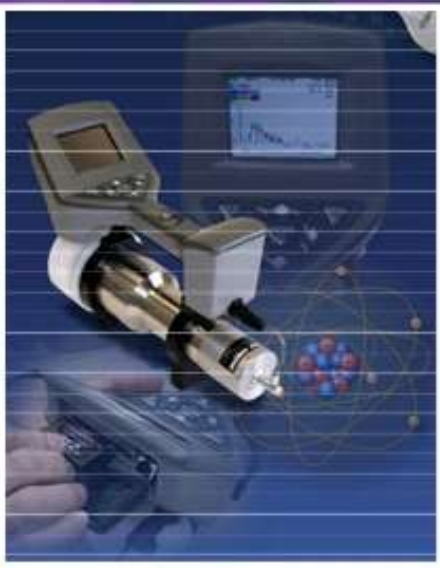
The Fastest Isotope Identification, Now with Cerium





SAM 940-2C

- Medium Resolution Spectroscopy
- Fast Isotope Identification
- SNM Peak Discrimination
- High Confidence Factors

CE

BNC model SAM 940

Specifications :

Detector	CeBr
Electronics	DSP MCA, Channel Compression
Power	8ea AA Batteries, Rechargeble
Data Storage	CD Card or Network, 4000 Events
Temperature	0-50°C
Modes	User, Administrator (4 GUIs)
Library	ANSI Default, User Customizeable, 120 Isotopes
Response Time	**<2 Seconds, <5 Seconds with Quick-ID - at BKG/10**
Energy Range	25keV - 3MeV

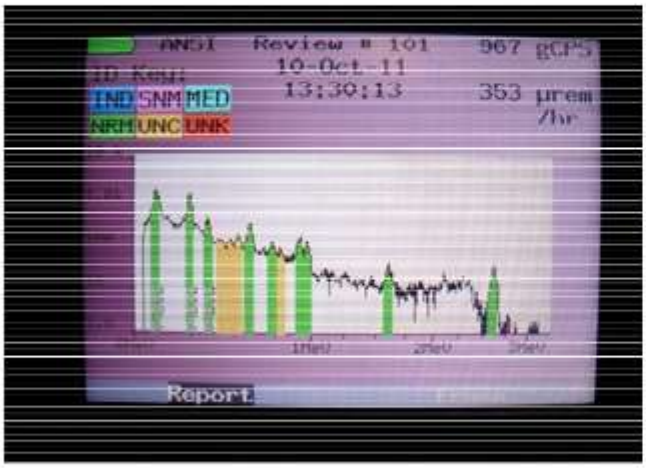
Ordering Information :

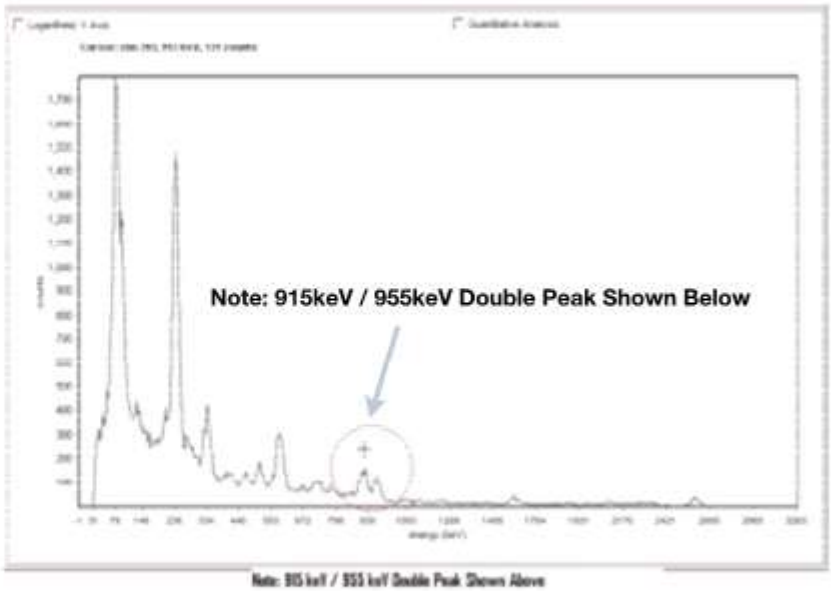
Model 940-2C	Standard 940 Isotope Identifier with CeBr
Model 940-2C-GPS	Standard 940 with CeBr and GPS Kit

Applications :

- **SNM Confirmation**
- **U or Pu Storage or Processing**
- **Transportation of HLW**
- **Cs134 / Cs137 Deconvolution**
- **Pu239 Triplet Confirmation**

The SAM 940-2C is an isotope identifier for medium resolution spectroscopy and discrimination of peaks often difficult to identify by more traditional means. This Model uses a state-of-the-art detection module consisting of a Cerium-Bromide scintillator, efficient photomultiplier and low-power high voltage circuit. The resultant detection capability includes a 25% increase in relative photoelectron yield and spectral resolution of 4.5%. This improvement in performance allows for some of the most demanding nuclear issues to be addressed. Several useful applications include Cs134 / Cs137 deconvolution for proper contamination mitigation and SNM confirmation of Pu239 without additional neutron coincidence. The form factor and user interface of the SAM 940-2C are similar to existing models so users will not require special training or additional startup help. As always, we are happy to discuss your needs at 800-234-7858, info@berkeleynucleonics.com or LIVE-CHAT on our website.





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