



MIRION
TECHNOLOGIES

CONNECT & MEASURE

CSPevo[®] Smart Probes

Now Featuring: A Complete Portfolio
for 100 cm² Contamination Monitoring



In 2025, Mirion Technologies introduced the CSPevo product family, the next-generation advancement of the trusted Canberra Smart Probe (CSP[™]) line.

Powered by revolutionary LightLink[®] technology, CSPevo replaces traditional photomultiplier tubes with Silicon Photomultipliers for superior light collection, enhanced robustness and always-ready performance.

Expanding Coverage

Launched originally with the AB-100[™] Detection Module, the CSPevo portfolio now expanded to deliver complete 100 cm² coverage across application-specific Alpha, Beta, and Gamma detection – while maintaining full backwards compatibility with existing CSP meters and instruments.

MODULE	APPLICATION FOCUS
AB-100 [™]	Simultaneous Alpha/Beta detection module
A-100 [™]	Alpha-only detection module
B-100 [™] /A	Beta detection module optimized for low-energy beta detection
B-100 [™] /B	Beta detection module optimized for alpha discrimination
ABG-100 [™]	Combined Alpha/Beta/Gamma detection module

All modules require one handle for hand-held operation. See back for details.

Advantages at a Glance

LIGHTLink[®]

Advanced light collection

Powered by LightLink
technology



85%+ detection homogeneity

Consistent, uniform response
across detector surface



Lightweight & ergonomic

Reduces fatigue during
prolonged field use



Adaptable anywhere

Hand-held or fixed deployment
for frisking, smear counting &
site surveys



CSPEVO® SMART PROBES

Flexible Options

Three handles are available for CSPevo detection modules, enabling adaptation of the probe for different applications and environmental conditions. Each handle is secured to the detection module with a single screw and can be tightened without a specific tool.

There are two ways to connect:

- **With a cable** matching a CSP meter or RDS-32™ survey meter type connector — allows the probe to access hard-to-reach areas while monitoring the meter display.
- **Without a cable** leveraging an integrated holder for an RDS-32 meter — provides convenient one-handed operation for most scenarios.



With cable for meter/probe connection



Without cable RDS-32 meter integrated



RDS-I-HANDLE

Connects to the RDS-32 meter with no need for a cable. The RDS-32 meter attaches to the handle and releases manually.



RDS-C-HANDLE

Connects a CSPevo module to an RDS-32™ meter via an integrated 0.35–1.2 m coiled cable.



CSP-C-HANDLE

Connects a CSPevo module to a CSP meter. Ensures full backwards compatibility with existing field-deployed CSP instrumentation.

Learn More

Connect with your Mirion Technologies representative, or scan the QR code, to explore our newest modules, the benefits of LightLink technology, system compatibility and more.



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