

**ORTEC<sup>®</sup> DETECTIVE™ and DETECTIVE-EX Portable Nuclide Identifiers**

The **ORTEC** Detective family of Hand-held Radioisotope Identifiers (HHRIDs) are based on high purity germanium (HPGe) gamma-ray detectors and represent the current state-of-art technology. The recently released Detective-100 and Detective-EX-100 models have a substantially larger gamma-ray detection element, leading to greatly increased sensitivity, and thus even shorter times to identify.

All Detective models offer:

- Fast, Simple and ULTRA-Reliable Classification of NORM, Medical, Industrial, Nuclear and Natural Isotopes
- ~20 to 100 times better than the most advanced NaI and CZT instruments
- Battery operated instrument with high visibility display
- Instantly ready to use at all times, straight from docking station
- Ruggedised HPGe gamma-ray detector cooled by proven miniature, high-reliability mechanical cooler

The DETECTIVE-EX adds the ability to detect neutrons, a colour touch screen display and 'unlimited' data storage on removable media.

The **ORTEC** Detective family is being employed ever more widely in the battle against illicit nuclear trafficking. Currently instruments are being deployed world-wide by:

- Departments of Homeland Security
- Departments of Defence
- National Security Organisations
- Bomb Disposal Teams
- Emergency Response Teams
- Customs and Border Control
- Emergency Management Teams
- Civil Support Teams
- Police Departments
- Nuclear Safeguards Organisations
- Nuclear Fuel Manufacturers
- Nuclear Researchers