

During the last 6 months we have created some very important and significant upgrades to our very popular PDS series of radiation detection and identification instruments. To date we have sold around 1,500 of these instruments which are marketed solely by the Mirion group internationally. This year we supplied 100 PDS-ID instruments to the Finish Customs. Responding to market requirements we have upgraded the instruments to include some interesting features which are described herein. For future models we are now busy at work developing an identifying instrument that will utilize an internal marker to stabilize the energy peaks and provide an excellent working tool.

New Features

Car Cradle

New ID Hardware & Software

USB Module

Car Cradle (BAK-2350)

- Hands-free, mobile monitoring system
- Including charging from car standard 12/24V plug (lighter), when using rechargeable batteries.
- Standard mounting (like cell-phone cradle installation)
- Includes:
 - Cradle
 - Metal Bracket
 - PDS Silicon Protection Jacket
 - Compatibility:
 - Firmware: All
 - Hardware: All



PDS Charging Plug
12V Feeding Car plug



Cat No: BAK-2350

Highlights

Hands-free mobile accessory

More Robust and reliable firmware and software

Improved production, testing and calibration processes

USB compatible connection

New ID Hardware & Software

Hardware version: PCB 2272
Firmware version: From 3.029
Applicable to: All PDS types, crucial for ID versions
Release Date: March 2010

The new hardware and firmware version is capable of identifying isotopes when subjected to high count rates up to 15K counts. In previous versions, when the PDS was exposed to high count rates of above 2K counts, the ID was problematic and was limited with software messages [FAR] [CLOSE].

These messages still exist today but are left in the instrument for safety purposes only!!

The latest version provides a more robust and reliable reading even above 2K counts

The release of this version allowed us to improve the production, testing and calibration procedures: Prior to shipment each instrument undergoes an extensive temperature test which defines a personal (HV versus temperature) characteristic for each instrument. In fact like a good wine, each individual detector undergoes an ageing procedure.

USB Power Module (BAK-1359)

Can be retrofitted to existing instruments, which are provided with BT communication as standard. In cases of large qty requirements, a standard USB connection can be supplied.

Quick trouble free plug & play communication with PDS for:

- Downloading spectrum for analysis
- Transmission of data via GSM (cell phone)
- Charging of instrument (with rechargeable batteries)
- Compatible firmware exists in PCB version 2272 onwards
- Firmware upgrading for hardware version PCB 2212 is possible
- Firmware will be available off our support website
- USB Module consists of:
 - Battery compartment including data and power sockets
 - Dedicated USB connection cable



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Updating firmware of instrument is still done via the IrDA channel