Inspector 1000 in Expert Mode

Nonproliferation
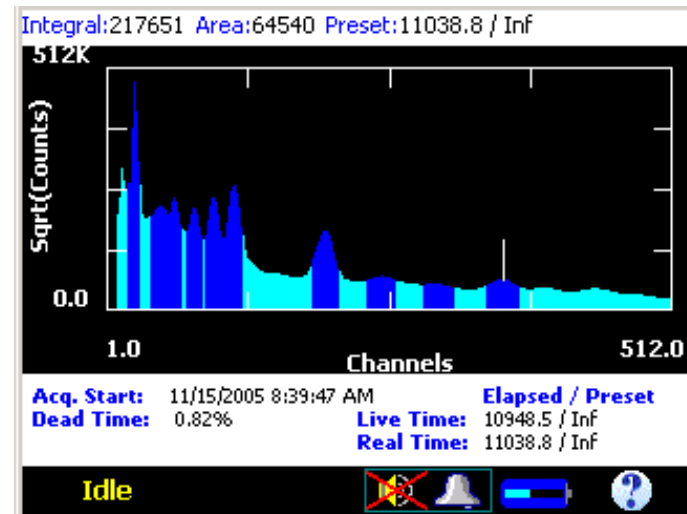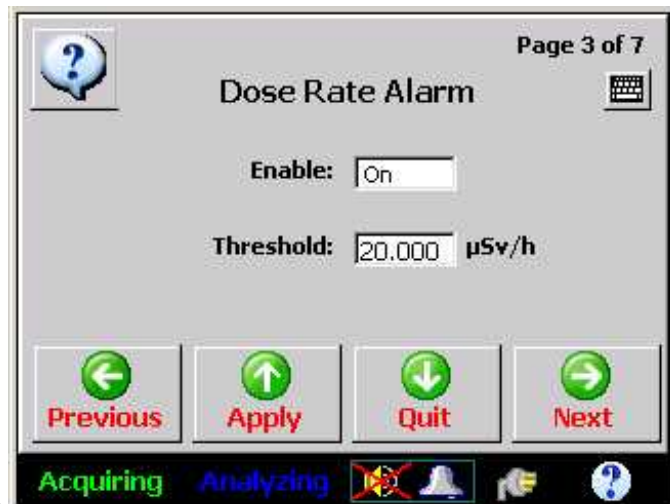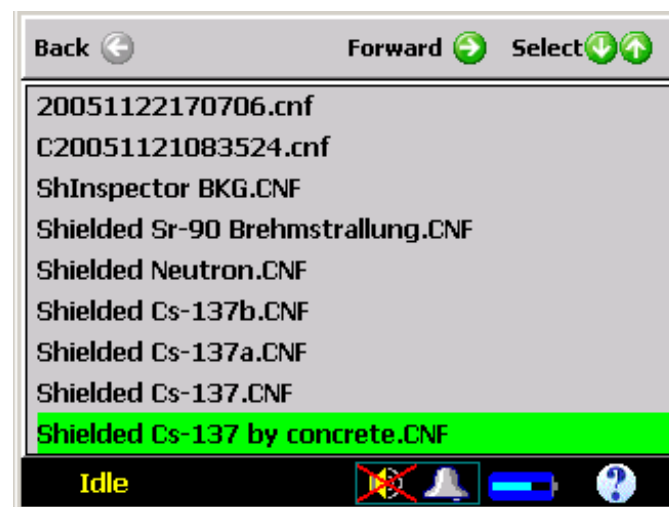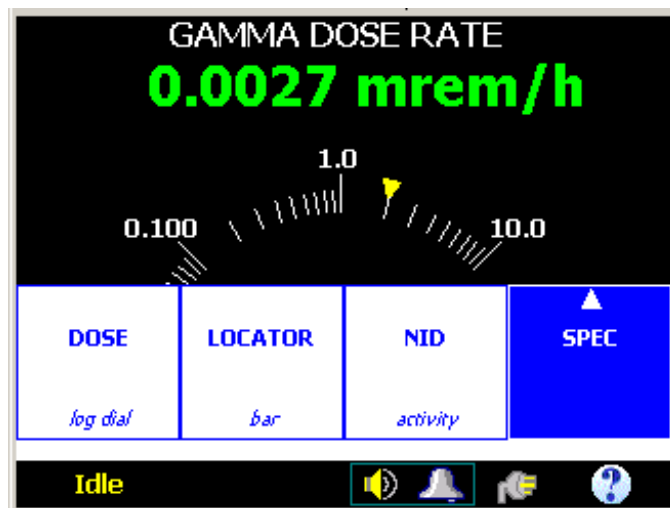
In Expert Mode Only

- Preferences can only be changed in the field while in EXPERT mode
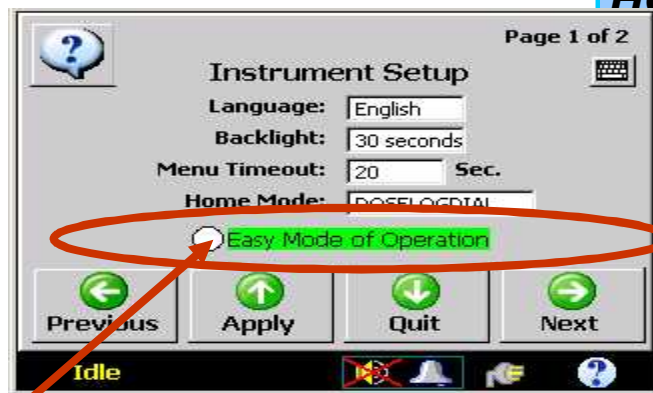- To change from EASY MODE to EXPERT mode
  - ° Press the HOME button and hold. While holding, press ENTER (green circle button) simultaneously
  - ° Select "NEXT" – "NEXT" – "INSTRUMENT SETUP"
  - ° Disable the option: "Easy Mode of Operation"
  - ° Always Press Home and Enter to access "Setup" options
  - ° Press "APPLY" and then "QUIT"

ENTER

HOME
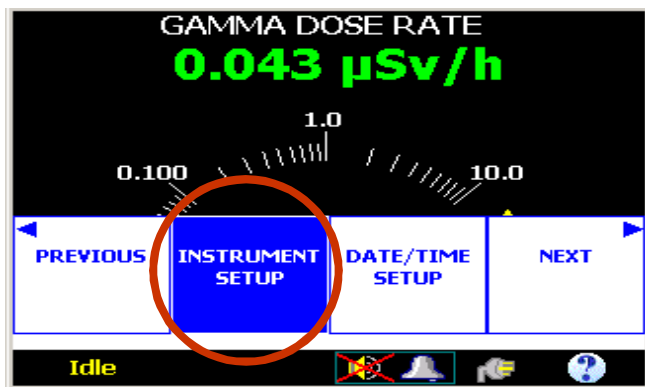
- Recommendation: Change the "Menu Timeout" to 20 Sec

Easy Mode and Expert Mode Front Panel Controls

|	Easy Mode	Advanced Mode
1	**Power**	**Power**
2	**Battery Status**	**Battery Status**
3	**Save/New/Resume/Clear/Stop**	**Same in Spec Mode, otherwise "Press Enter" function listed at bottom of screen.**
4	**No function**	**Advanced Menu** **(Dose, Locator, NID, Spec, Special Count)**
5	**Increase Locate view rate display**	
6	**Decrease Locate view rate display**	**Use down and side arrows to move Spec cursor, navigate menus, ROIs, and lists**
7	**No function**	
8	**Home, Toggles Between Source Locate Display and Nuclide Identification (NID) Display**	**Home (can change home page in advanced mode)**

Inspector 1000 Expert Mode Main Menu
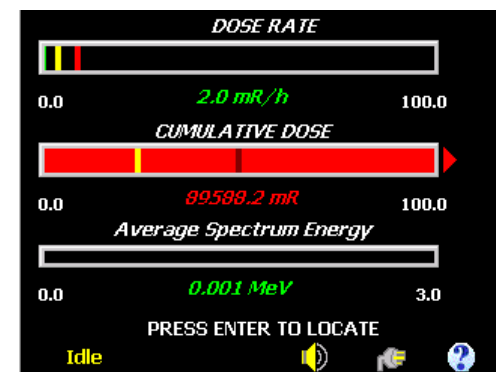

- Main menu with "Special Count" disabled
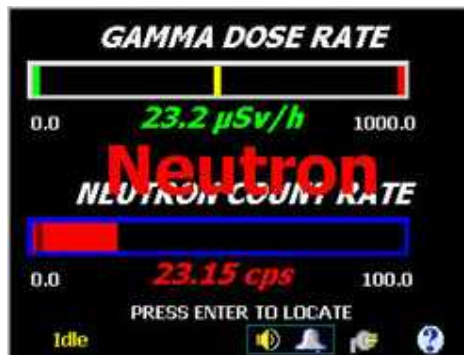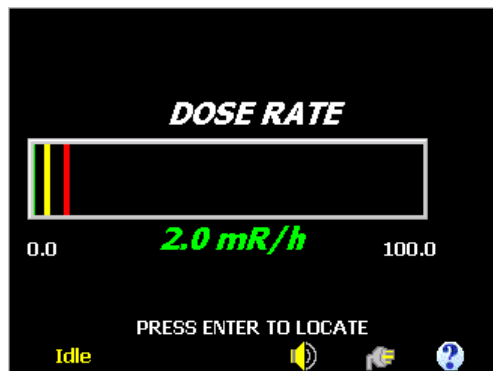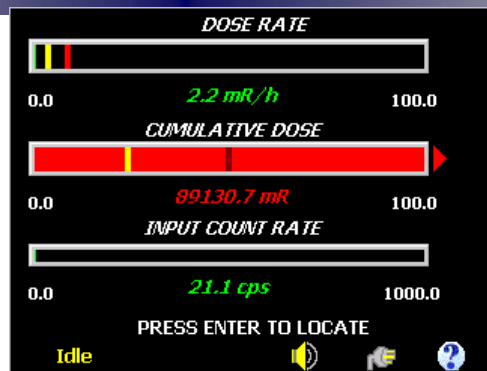- Press the Up Arrow for the main menu
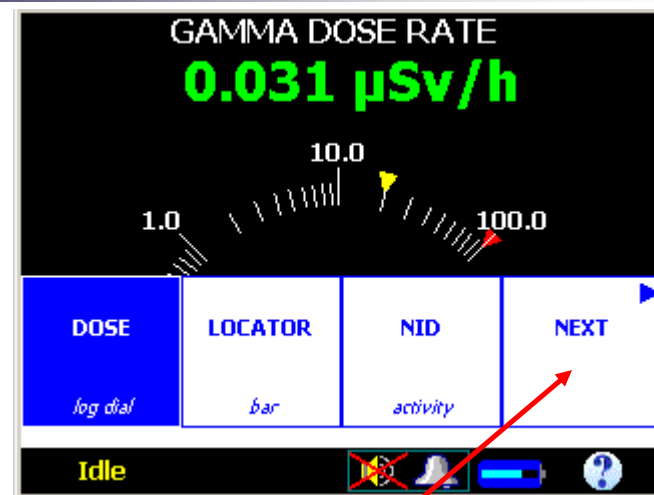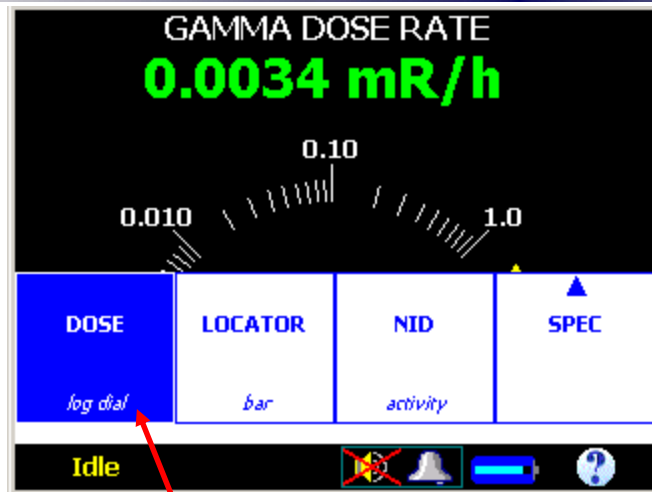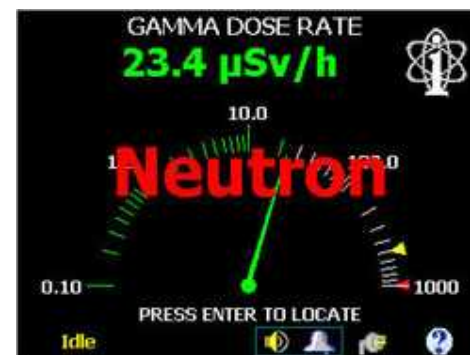
- Main menu with "Special Count" enabled
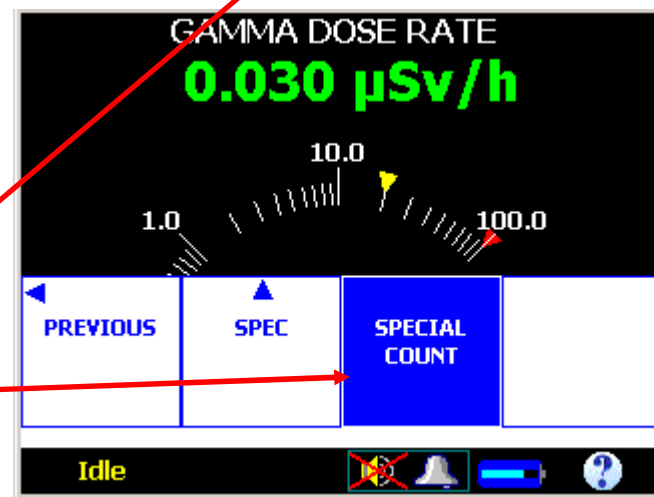
Dose Rate Screen Display Options (Expert Mode)

Neutron Count Rate Alarms

Spectrum and Full Spectroscopy Options Available In Expert Mode

- Press the up arrow ⬆ and then Spec
- From the Spec screen, press enter to start spectrum collection

Move the cursor with your finger

Cursor/ROI Info

Start/Stop an acquisition

Open the main menu in advanced mode

Move the cursor with the keys or toggle through peak ROIs

Toggle time info with peak area info

Channel:897 : 1435.9 keV Counts:2280 Preset:300.0 / 300.0

32K

Counts

0.0

1.5

Energy

1654.0

Left:	848	: 1351.8 keV	Area:	148546.0±0.3%
Right:	957	: 1538.1 keV	Integral:	148546.0
Centroid:	902	: 1443.9 keV	FWHM, FWTM:	90.1, 186.3 keV

Idle

Standard Genie Info Page

- Touch the Status Page to toggle among information bars

Spec Menu Tree

Defense Nuclear Nonproliferation

DOSE	LOCATOR	NID	▲ SPEC
log dial	bar	composite	

▲ FILE	▲ MCA	▲ CALIBRATE	SAMPLE INFO	INFO	▲ DISPLAY	ANALYZE start

- Save
- Open
  ° Spec
  ° ASF
- Close
- Delete

- Preset Time
- Settings
- Clear All
- Stabilize

- Energy
  ° Load
  ° Auto Recal
  ° Manual Recal
  ° Coeff
  ° Full
- Efficiency
  ° Load
  ° Show

- Zoom (none, in, out)
- Settings
  ° Scale
  ° Borders
  ° Plot Type
  ° Gridlines
  ° X-Units
  ° Autoscale
  ° Mak-Y
- ROI
  ° Delete/Clear
  ° Load

Expert Mode Exercise

- Place Inspector in expert mode (Home+Enter, Next, Instrument Setup)
- Using the Up Arrow, select the source Locator Mode and locate sources in the room
- Using the Up Arrow, monitor the dose rate of the source
- Using the Up Arrow, place the unit into Spectroscopy View
- Use the green button to collect a spectrum
- Using the Up Arrow, select NID to view identified isotopes
- Use the green Enter button and the touch screen to save the file
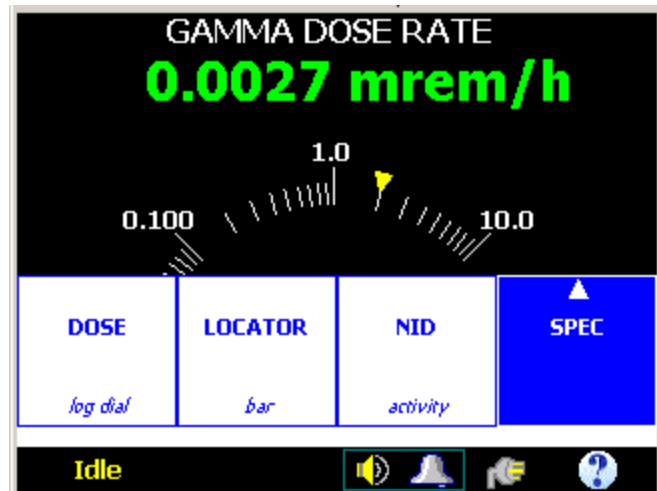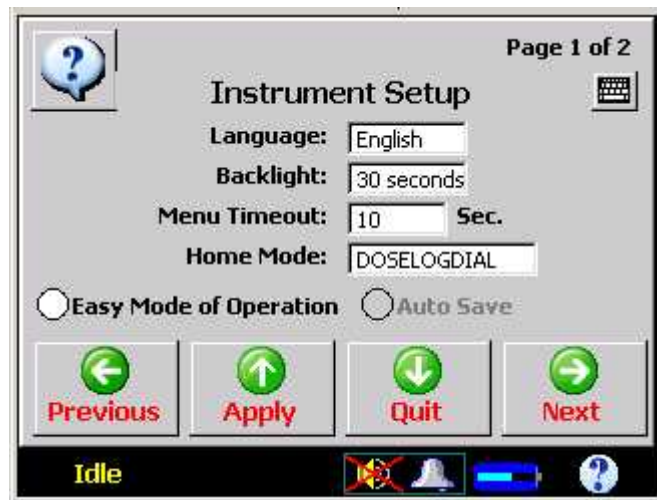
See Appendix F
-Inspector 100 maintenance and software