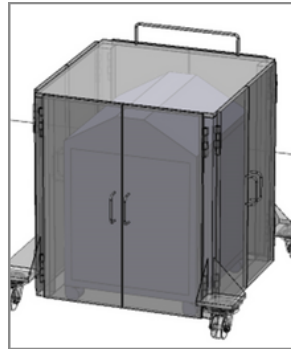
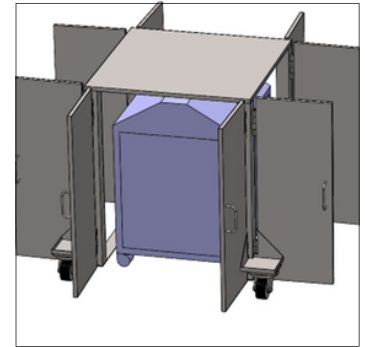


## LARGE ARTICLE MONITOR (LAM) WITH ISOTOPE ID



LAM Shield



View of Box Counter  
inside of the shield

### Main Features

- **“Go”/“No Go”** Capability with Nuclide ID
- **5000 dpm** (2.2 nCi) (Cs-137) MDA when used with 1" equivalent lead shielding
- **Customized** 1" lead shielding housing available
- **Affordable** when compared to current contamination monitors currently on market
- **Detectors:** up to 6 large plastic scintillators
- **Nal(Tl) detector** with MCA for Norm detectability (only 6U NORM version)
- **Easy decontamination** of internal and external surfaces
- **Measuring chamber:** 28 x 28 x 33 in.
- **Ethernet connection** available for data exporting

### Description

- The LAM system is designed to perform a fast gamma contamination check of large article volumes, tools and other related articles. Measurement results, alarms and malfunctions are displayed by the control console as well as the alarm unit.
- The LAM system can be easily moved and relocated by the user a result of 4 pivoting and lockable wheels. The mechanical structure is made of stainless steel, all internal and external surfaces are specifically designed to be easily cleaned and decontaminated.

The 28"x28"x33" measuring chamber is accessible through 4 side doors. Up to six detectors can be installed, 4 in the doors, 1 in the top and 1 in the bottom side; An optional Nal detector can be added in the top of the monitor vault to achieve Isotopic ID Functionality.

The control console consists of a touch-screen PC installed on the top of the system, equipped with an ELSE NUCLEAR management software.

The software allows the user to:

- activate the measurements, analyze, display and save the measurement data
- set the operational parameters such as alarm thresholds, detector enabling and calibration factors
- activate, mute and reset the alarm and malfunction statuses through relay switches
- perform a calibration and/or quality check to verify the proper functioning of the system

# TECHNICAL SPECIFICATIONS

## Measurement Features

- Energy range: 35 keV ÷ 2 MeV
- Environmental conditions: -4 to 122 °F, relative humidity < 80

## Detectors

- Type: Plastic scintillators (20" x 20" x 2")
- Number of units: Up to 6
- Surface: 387 sq. in.
- Thickness: 2 inches
- Shielding: Lead 0.4 inches

## Housing

- Maximum dimensions: 42"x 55"x 38"
- Measurement chamber dimensions: 28"x 28"x 33"
- Side doors dimensions: 28"x 33"
- Material: Stainless steel
- Protection: IP55
- Handling: 4 pivoting and lockable wheels

## Counting & Signaling Electronics

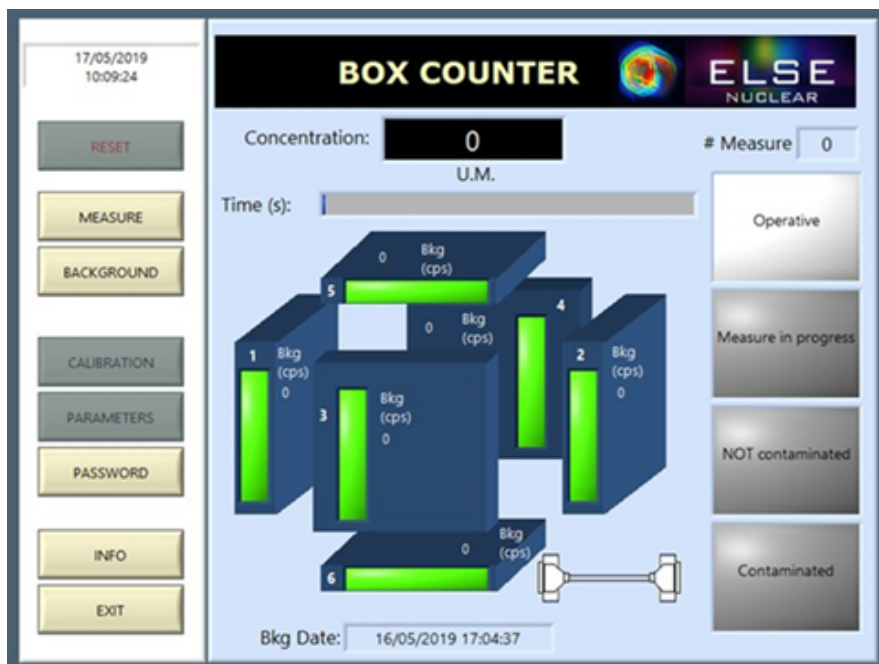
- Signal acquisition: From 2 to 6 input counters
- Status management: 4 relays NO/NC

## Control Console

- Panel PC: Industrial touch-screen
- Display: LCD TFT 8.4"

## Accessories Available Upon Request

1. Scale embedded in the lower side of the measurement chamber (2U and 4U versions)
2. Extended warranty from 12 months to 24 months



Software Main Panel

## Options

- **2U** – two plastic detectors each installed in a side door
- **4U** – four plastic detectors each installed in a side door
- **6U** – six plastic detectors, four of which installed in the side doors, and two in the top and bottom of the measuring chamber
- **6U NORM** – five plastic detectors in the side doors and in the bottom of the measurement chamber, and a 2"x2" NaI(Tl) detector with MCA in the top of the measurement chamber