



NOKI

TECHNOLOGIES

Noki Technologies, a privately-owned family business operating through two decades in the Nuclear Medicine and Nuclear Energy. Leveraging our expertise, we bring to the fore, Advanced Measurement & Automation Instruments. Our focus on innovation and precision drives us to deliver solutions tailored to the evolving demands of our clients.

X-DOSE

DOSE CALIBRATOR

Description

The X-Dose offers exceptional precision and consistency in dose measurements, utilizing a high-performance electrometer and a deep-well ionization chamber filled with ultra-pure Argon. The system is equipped with an intuitive HMI for easy access to results, full device control, as well as integrated quality control, data management, report generation, and label printing functionalities.



Key Features

High-Precision Measurement

Microcontroller electrometer automates measurements, reducing errors effectively.

Large Touchscreen Display

Features a user-friendly interface for machine control and data display.

Extensive Calibration Storage

Stores calibration factors for over 100 isotopes and can store up to 200 isotope selections.

Pre-Set Geometries

Includes vial and syringe geometries, with options for user-defined calibrations.

PDF Report and Label Generation

Capable of generating patient and production reports, permanently stored in an SQL database.

Data Management

Data is saved in an SQL database, with USB export capability and TCP/IP interface for external systems.

Password Protection

Two-level password protection (user and administrator) ensures security.

External Interface

Ethernet TCP/IP output for connection with external nuclear medicine management systems.

Label Printing

Supports label printing for easy documentation and tracking.

HMI Software

The control software can reside on any Windows PC, providing an intuitive interface for operations.

RS232 and USB Ports

Enables easy data transfer and integration with external devices.

The screenshot displays the HMI software interface. At the top, a 'Select' dialog box titled 'Select Isotope Dose Calibrator A' is open, showing a grid of isotope options. The 'C-11' option is highlighted. Below the dialog, the main interface features a large digital display showing '000.00' with a 'Ci' unit indicator. To the right, there is a 'Time Shift Activity' panel with a clock icon and a 'SET DATE/TIME' section with 'hh' and 'mm' input fields. Below the display, there are several control panels: 'Isotopes' with buttons for 'Cs-137', 'F-18', 'Ga-68', and 'Tc-99m'; 'Measure' with 'Start' and 'Stop' buttons; 'QC' with 'Enter' and 'Lin' buttons; and 'Print' with 'Print' and 'Report' buttons. The interface also includes status indicators for 'None | None | K: None' and 'Bkg: None'.

Ba-133	C-11	Co-57
Co-58	Co-60	Cs-137
F-18	Fe-59	Ga-67
Ga-68	I-123	I-124
I-125	I-131	In-111
In-113m	N-13	Na-22
O-15	Rb-81	Se-75
Sn-113	Sr-85	Tc-99m
Tl-201	Yb-169	

Technical Specification:

Ionization Chamber Type	High-pressure ionization chamber with microcontroller-based electrometer.
Display	≈15" all in one LCD display.
Calibration Storage	Over 100 calibration factors stored; supports up to 200 isotope selections.
Geometries	Pre-set vial and syringe geometries, with additional user-defined geometries.
Database	SQL database for permanent data storage, with USB export capability.
Data Transfer	Ethernet TCP/IP output for interfacing with external systems.
Password Protection	Two-level password protection (user and administrator).
Dimensions	240 mm (D) x 600 mm (H).
Shielding	10 mm lead, with a total weight of 35 kg (optional)
Power Supply	10-230 VAC, 50/60 Hz.
Ports	RS232 and USB for data transfer.
Label Printing	Built-in capability for label generation (optional)



ENGINEER. EMPOWER. INNOVATE.



NOKI

Call Us

040-40180256

Address

Noki Technologies Pvt Ltd,
Module 202 B&C, NSIC, ECIL,
Hyderabad, India - 500062

E- mail

sales@nokitechnologies.com

Website

nokitechnologies.com