



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.

MINISCAN PRO

RADIO TLC

Description

The MiniScanPRO is a versatile, GMP-compliant radio-TLC scanner designed for the reliable detection of radioactivity for a wide range of radioisotopes on narrow strips and plates. It is an ideal solution for the routine quality control of radiopharmaceuticals, including isotopes such as ^{68}Ga , ^{18}F , $^{99\text{m}}\text{Tc}$, and ^{123}I . The system operates with two independent channels—one for TLC and one for HPLC—allowing users to connect to various detector options. Its advanced RaPET-Lab software provides workflow management, data acquisition, and report generation, ensuring full compliance with GMP standards.



Key Features

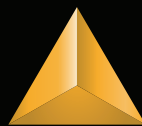
- Multi-Channel Operation** Two independent channels for TLC and HPLC with the ability to connect different detectors
- Wide Range of Isotope Detection** Detects radionuclides such as ^{68}Ga , ^{177}Lu , ^{90}Y , ^{18}F , $^{99\text{m}}\text{Tc}$, and ^{123}I , as well as others.
- Flexible Detectors** Supports both PIN diode and photomultiplier detectors, ideal for detecting gamma, beta, and positron emitters.
- Variable Scan Speeds** Customizable scan speeds to measure a wide range of activities, from 10 nCi to 100 μCi (370 Bq - 3.7 MBq).
- Easy System Integration** Analog and digital outputs are provided for interfacing with existing chromatography data systems.
- RaPET-Lab Software** Allows for tray movement control, measurement setup, and quality control evaluation.
- Automatic Detector Calibration** Energy and efficiency probe calibration ensures accurate and reliable measurements.
- Compliance** GMP compliant and adheres to 21 CFR part 11 for unchangeable report Generation

Technical Specification

Dimensions	356 x 197 x 445 mm (W x D x H) / 14" x 7.8" x 17.5"
Weight	11.9 kg / 26.2 lbs (MiniScanPRO) or 19.0 kg / 41.9 lbs (MiniScanPRO+ with MCA)
TLC Plate Dimensions	Maximum 50 x 200 mm (W x D)
Scan Area	25 x 200 mm (W x D)
Detector Options	<p>FC-3100: NaI/PMT-based detector for low-energy gamma (10–60 keV), used primarily for ^{125}I</p> <p>FC-3200: NaI/PMT-based detector for high-energy gamma (60–1500 keV), used in most nuclear medicine applications.</p> <p>FC-3600: Plastic Scintillator/PMT-based detector for high-energy beta and positron emitters such as ^{32}P, ^{90}Y, ^{18}F, ^{11}C, and ^{13}N (>30 keV).</p>
Outputs	Up to two user-selectable analog rate signals (ranges of 10 mV, 100 mV, 1 V, 5 V) with 16-bit resolution
Inputs	Up to two PMT-based radiodetectors, up to two diode radiodetectors, and two analog channels.
Software	RaPET-Lab Software for workflow management, data acquisition, and report generation.



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