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Nihon Kohden brings globally deployed Life Scope E7 Patient Monitor to India

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BSM-5700 Series receives CDSCO import clearance



Nihon Kohden India Private Limited, a wholly-owned subsidiary of Japan's Nihon Kohden Corporation, one of the world's largest manufacturers of medical electronic equipment, has announced the Indian launch of the Life Scope E7 (BSM-5700 series). An advanced multi-parameter patient monitoring system designed for use across critical care, emergency, operating room, and general ward settings.

The BSM-5700 series received Import License clearance from the Central Drugs Standard Control Organisation (CDSCO) in February 2026, marking the product's formal regulatory approval for the Indian market. The official India launch is scheduled for April 16, 2026. The BSM-5700 series is available in two display configurations. A 15.6-inch and a 12.1-inch high-resolution LCD touchscreen, allowing hospitals to deploy the appropriate variant based on ward and clinical setting requirements.

The system stores up to 120 hours of continuous patient trend data, full waveform disclosure for up to five parameters simultaneously, and up to 40,960 alarm history records, providing clinical teams with comprehensive retrospective data for patient review and audit. The Life Scope E7 is already deployed across hospitals in Europe, North America, South America, the Middle East, Southeast Asia and Africa. Its introduction in India represents the product's first entry into the South Asian market.

The Life Scope E7 is engineered to support patient monitoring across five key clinical environments: the Intensive Care Unit (ICU), Neonatal ICU (NICU), Emergency Room (ER), Operating Room (OR), and General Ward. The system integrates monitoring of ECG, SpO2, blood pressure (both non-invasive and invasive), body temperature, CO2, anaesthetic gases, and brain activity parameters including EEG and amplitude-integrated EEG (aEEG), eliminating the need for multiple standalone devices across different departments.

The platform incorporates several proprietary Nihon Kohden measurement technologies including cap-ONE, an ultra-compact mainstream CO2 sensor validated for both intubated and non-intubated patients. iNIBP, an algorithm that measures non-invasive blood pressure during cuff inflation for faster and less disruptive readings. PWTT (Pulse Wave Transit Time) triggers NIBP, which automatically initiates blood pressure measurement when a sudden pressure change is detected. SynECi18, which generates right ventricular and posterior wall data from a standard 12-lead ECG without any additional procedure or electrodes.

A distinguishing feature of the platform is its Human Machine Interface (HMI) design philosophy. The principle that the accuracy and usability of a monitoring system are only as strong as the technology connecting the patient to the device. Nihon Kohden develops its sensor technology, signal processing systems, and measurement modules in-house, rather than outsourcing them a manufacturing approach the company says ensures consistent signal accuracy and long-term product reliability.

The system also supports integration with third-party anaesthesia machines and ventilators, and connects to hospital Electronic Medical Record (EMR) systems using the HL7 data exchange protocol. The Life Scope E7 also employs certificate-based Net-9 encryption for all networked device communications, ensuring patient data transmitted across hospital networks meets current cybersecurity standards.