



Messung Indigenous Innovation At work :NX-ERA Xpress



NX-ERA Xpress is a powerful [mini PLC \(Programmable Logic Controller\)](#) developed by Messung, leading **micro PLC manufacturer** under its 'Navonmesh - Make in India initiative'. A micro PLC with macro features, NX-ERA Xpress is creating waves in small, scalable applications.

Messung's reputation and expertise in industrial automation goes back four decades. Since it pioneered India's first indigenous [PLC in India](#) in 1984, Messung has stayed committed to developing world-class **industrial automation solutions** at cost-effective prices.

NX-ERA Xpress is the latest in a long tradition of ongoing innovation at Messung, one of the leading **PLC automation companies in Pune**. This mini **programmable logic controller in India** comes at a cost-effective price - especially for entry-level applications.

NX-ERA Xpress Features

- High density I/O both Digital & Analog
- Programming by Codesys (r) - IEC 61131 based software
- Integrated communication with international standard protocols like Modbus TCP, Modbus RTU, Ethernet I/P, CANopen
- Industry 4.0 enabled IIOT interface with MQTT & OPC UA protocol
- RS-485 port with Modbus RTU Master protocol
- **SCADA** and HMI interfaces available

- Built in HTML web server
- High speed CPU
- Real time clock
- Scalable within NX-ERA family of PLCs, it covers small to large solutions
- Easily expanded through **CANopen** using the **Remote I/O Mode**: can connect to external devices such as sensors, electro mechanical actuators, [VFDs drive](#) and **servo motors** located far away from the main control cabinet via various protocols

Diverse applications of NX-ERA Xpress

NX-ERA Xpress has been successfully applied for:

- **general purpose machine controllers**
- **SPM controllers**
- **textile machine controllers**
- **machine tool controllers**
- **blow moulding machine controllers**
- **pharma machine controllers**
- **bandsaw controller**
- **plastic injection machine controllers**

The **embedded I/O PLC** has also proved itself in applications such as Dust analyser, Continuous furnace, Pressure testing, Hydraulic press, Robotic cell, Boiler automation, Battery management system and [water purification system](#).

NX-ERA Xpress also enables enhanced performance and control in **material handling controllers, energy management controllers, [PID controllers](#) and AHU controllers**. It is making a mark in verticals such as factory automation, machines, infrastructure, building automation, water, wastewater, food, textiles, and several other OEM solutions. Additionally, along with NX-ERA Series portfolio, it complements big applications, extending the range using the same technology and engineering environment.

Benefit from Messung's 'Navonmesh – Make in India initiative'

NX-ERA Xpress, developed by Messung, is a [compact PLC in India](#) delivering high-speed processing power in a compact design with embedded I/O. For applications where automation is a difficult option, NX-ERA Xpress offers models containing from a few digital inputs and outputs up to options with 43 I/O points concentrated in a single controller, including analog inputs and outputs with temperature support (RTD sensors). With its compact dimensions and competitive pricing, NX-ERA Xpress mini **programmable logic controller** has opened up new perspectives in **industrial automation**.

NX-ERA Xpress comes enriched with Messung's four decades of experience in the field, and backed by our inhouse R&D centre, proven all-India reach and service support. Besides a range of high-performance **programmable logic controllers in India**, Messung also offers

Remote I/O Modules, [Servo & Motion Control solutions](#), VFDs, Human Machine Interface (HMI) and SCADA applications to deliver integrated solutions for varied **industrial automation** applications.