

Data Acquisition Unit

HPS LX800

The HPS LX800 PLC Unit is a Data Acquisition Unit featuring excellent configuration flexibility. It is connected to the field modules by Bus RS485, thus allowing to design even complex installations simply by connecting the digital sensors on the communication line.

As a result, it is possible to implement simple-to-set-up, strong, safe and extendable systems.

Each device connected to the digital bus is identified by a unique address.

Therefore, the PLC UNIT is able to query and/or send unicast controls to specific nodes within the network.



- ✓ Geotechnical Monitoring
- ✓ Structural Health Monitoring
- ✓ Environmental Monitoring
- ✓ Industrial Engineering

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The HPS LX800 Unit allows to implement monitoring and scalable control systems just by inserting the new sensor-nodes and riconfiguring the software in the PLC, with no need to purchase additional PLCs.

This solution, not only allows a quick implementatin and cost reduction, but also the raising of the safety and overall reliability standards of the systems, with a resulting maintainance cost saving. The distributed intelligence architecture, together with softwares able to operate continuous diagnostics of the systems (set up to send warning alerts via sms and certified e-mail to the managers in case of failures or mulfunctions), allows immediate fault detection, thus ensuring fast and targeted maintainance operations.

Specifications

| | |
|-----------------------|-------------------|
| Processor | AMD GEODE™ LX800 |
| Memory | 1GB |
| Tx Data Interface | RS422/485 |
| Supply Voltage | 5 V _{DC} |
| Operating Temperature | -20 ÷ 70°C |
| Protection Class | IP65 |
| Absorption | 1.17 A |