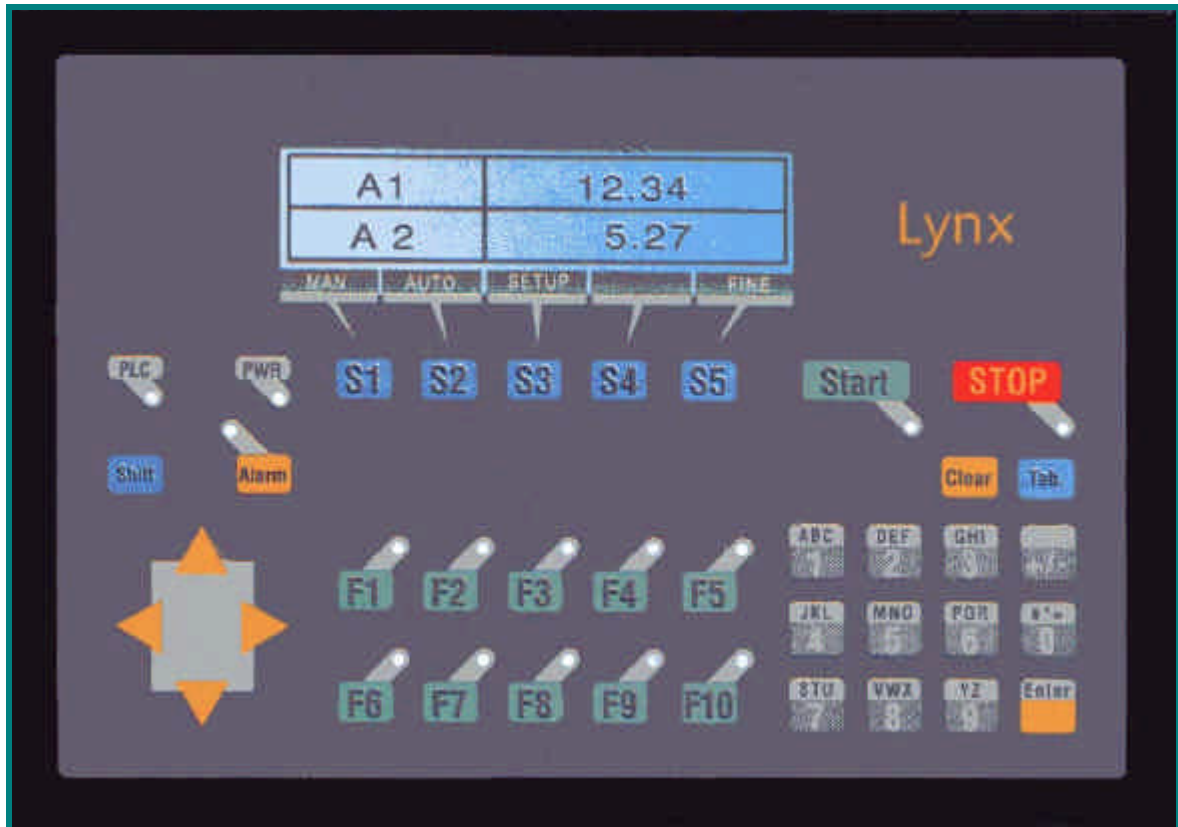# Lynx

MULTIFUNCTION CONTROLLER

- **Control over 2 axes**
- **Embedded PLC**
- **Graphical pages handled**
- **Interface completely programmable by the user**
- **Field bus**

Lynx

MULTIFUNCTION CONTROLLER

Engineered to make the control of work cycles on processing machines easy and efficient, LYNX avails on a PLC allowing to integrate it perfectly into the handling system. Thanks to the storable data structures with indexed access (receipts) the program storing and recalling results extremely simple. A series of tasks and programs specially created for the execution of the mathematical and graphic functions are available on request.
The peculiar technology applied to the keyboard construction allows to obtain customized versions even in limited series.

SOME APPLICATIONS:
Sheat working and cutting machinery, glass working machinery, marble working machines, winding machines, textile machinery, sawing machines, packing machinery, wood-working machinery

SPECIFICATIONS AND PERFORMANCES:
- Control over 2 axes
- Embedded PLC, programming language: LADDER or MNEMONIC
- Programmable user interface
- Graphical pages handled
- Main bus for I/O expansion

HARDWARE:
- CPU 32 bit RISC
- Flash memory 256kbyte
- RAM memory for user programs, data, pages: 256kbyte expansible up to 2 Mbyte

INTERFACE TO THE FIELD:
- DIGITAL INPUTS: 16÷32 optoisolated inputs, and 4 devoted to the interrupt command
- DIGITAL OUTPUTS: 16÷32 optoisolated inputs
- EXPANSION MODULES: 16 inputs + 16 outputs DIN bar fixing
- INCREMENTAL ENCODERS: 2 bidirectional count inputs 5Vdc Line Driver with zero reference reading, frequency 500kHz
- AXIS COMMAND: 2 ±10Vdc analogue outputs with 12 bit resolution. Possibility to command ON/OFF axes
- ANALOGUE INPUTS: 4 0÷5Vdc analogue inputs with 10 bit resolution
- COMUNICATION: 2 serial ports RS232 or 1 serial port RS232+1 RS485

GENERAL SPECIFICATIONS:
- Front case protection degree: IP65
- Supply: 24Vdc ± 15% 34Watt max
- Connections: extractable terminal box: supply, digital I/O;
  Canon connectors: encoder, analogue I/O, serial ports on request: digital outputs on relay modules
- Lithium battery min. 5 years life

USER INTERFACE:
- Polyester keyboard with 37 keys, everyone with programmable functions
- Graphic rear-lighted display 240x64 pixel; 128 expansible text pages

I.O. LANGQI

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