Communicating industrial controller

Industrial PID controller study module

BTS CIRA - BTS ME - Bac Pro Me

The Communicating Industrial Controller modules at a glance

Sections

All sections dealing with automation, control and communication

Highlights & Key Activities

- ✓ Implementation of simple PID control with alarm management.
- ✓ Programmable manually on the front panel or by PC ("Itools" software via Ethernet link, "Itools" software in free version with OPC scope session limited to 20min continuously)
- ✓ Integrated graphical function for plotting and printing curves (e.g. identification of systems by Broïda and Ziegler-Nichols methods).
- ✓ Front panel allowing:
- • Changing all parameters (Thresholds, K, Td, Ti, Output, Setpoint, ...)
- • The Auto/manu switch.
- • Continuous display of the measurement and setpoint
- ✓ Self-tuning function for searching for P, I, D parameters

Specific components

- ✓ EUROTHERM bi-loop controller Model 3508 :
- • 2 Analogue inputs 4-20mA
- • 2 Analog 4-20 mA outputs
- • 2 digital inputs
- • 2 digital outputs
- • Internal guideline
- • Internal calculation blocks
- • PC configuration software (Itools)

Features

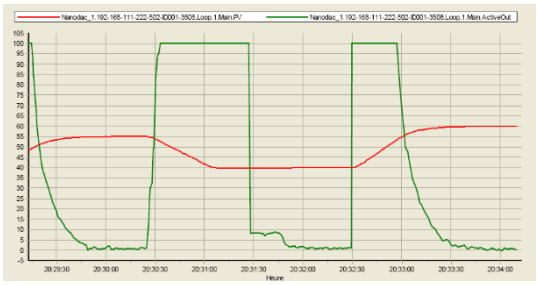
- ✓ 300 mm
- ✓Electrical energy: 230 V single phase
- ✓Weight: 3 kg

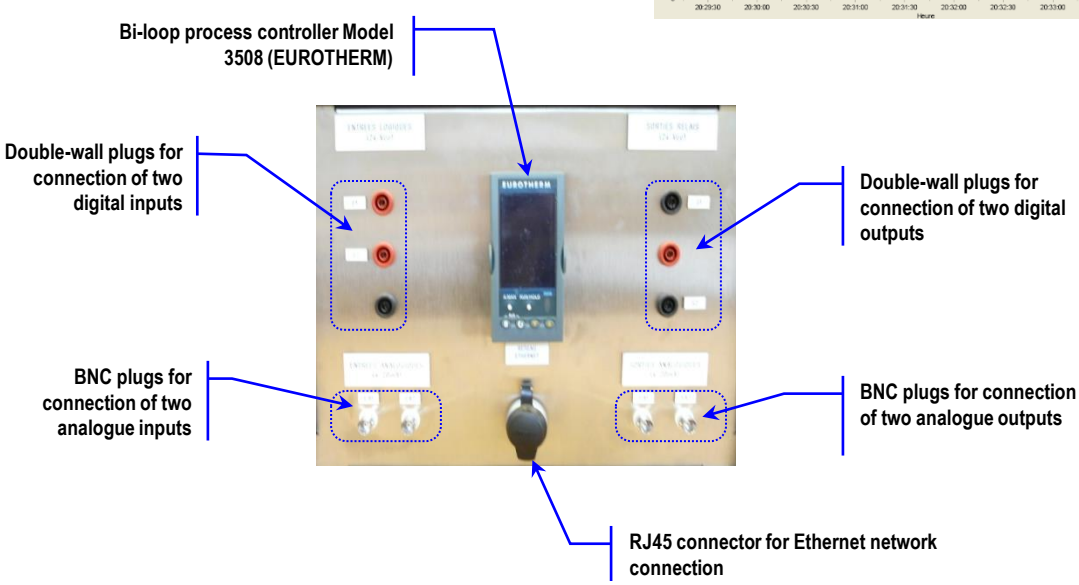
References

- ✓RC10 : Industrial communicating controller module
- ✓RM13: Option - 0/4-20 mA Current Loop Calibrator

Grandes thématiques

Control - Servo control Instrumentation
Measurement - Maintenance





561 allée Bellecour - 84200 Carpentras - France - Phone + 33 (0) 4 90 60 05 68 - Fax + 33 (0) 4 90 60 66 26
www.erm-automatismes.com - contact@erm-automatismes.com