

Product Name :
Level, Flow and Temperature Process Control

Product Code :
CE748



Description :

Level, Flow and Temperature Process Control

Technical Specification :

Level, Flow & Temperature Process Control

The combined Level, Flow & Temperature Process Control System is self-contained and has all of the features of the individual Level & Flow and Temperature systems plus remote set-point control. Remote set-point control can be affected with the Level, Flow & Temperature Process Control System by using two process controllers. The 4-20mA analogue remote set-point input allows various forms of cascade control to be implemented between linked or interactive control loops. The process set-point can be local and remote or dual, selected from the front panel, or in response to a logic input. When dual setpoint is selected the function can be ratio or bias action. A Programmable Logic Controller (PLC) is also available separately. It can be used with the Process Interface to provide an alternative control method with on/off elements to the standard Process Controller (included).

Curriculum Coverage

Flow & level familiarisation & calibration
Temperature familiarisation & calibration
Interface familiarisation & calibration
Controller familiarisation & calibration
Float level transmitter
Pulse flow transmitter
On-Off control
Temperature process control
Complex control loops

Dual loop (process) control - using Level, Flow & Temperature Control Trainers
Remote set-point control
Set-point ratio control (dual loop)
Cascade control (temperature & flow)
Feedforward Control

Features:

Study of P, PI and PID control of level & flow
Tuning PID controllers
Advanced process control
Study of P, PI and PID control of temperature & flow
Manual flow control
Comprehensive experiment manual

Technical data:

For operation with 110 V or 120 V 50/60 Hz supplies
3 phase supply is required so nominal 220 volts are available across 2 phases
Dimensions (net): overall width 2010 mm x depth 400 mm x height 710 mm
Weight: gross 142 kgs, net 97 kgs

Naugralabequipments

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