

Level control and regulation unit – Serial/parallel

DESCRIPTION

- The level control and regulation unit comes complete with instrumentation and includes technical and instruction manuals.
- Designed and manufactured to industrial standards.
- This unit is designed for different levels and fields of study.
- Input and output components are connected to 4 mm female connectors.

Options :

- Interface and software for P.C
- Utility module
- The control and regulating modules can be connected in series or parallel.



SUGGESTED APPLICATIONS

Technical data of the elements in a regulating system.
Sensor-Regulator-Activator-Perturbing element.
PID or auto adaptable.
Configuration of regulator.
Characteristic curves (level, valve opening, response time, etc...).

Erreur! Liaison incorrecte.

UTILITIES

Electricity : 230 VAC single-phase
Water : 10 L/min – 3 bars (44 psi)
Compressed air : 6 bars (90 psi) maximum

DIMENSIONS

Length 820 mm
Width : 720 mm
Height : 620 mm
Weight: 40 kg

Capacitive level sensor

PTFE insulated steel rod, mass tube
Preamplifier with a measurement frequency of 400 kHz
Scale : 0...455 mm
Reproduction : $\pm 0.5\% \pm 2$ mm
Current outlet proportional with the level

Control valve

Nitrile membrane valve
Body, seat, valve, rod made in stainless Steel 316 L
Seat and valve interchangeable
Signal : 0.2 - 1 bar
Range : 40 : 1

Regulator PID type with microprocessor

Accuracy type: 0.2
With graduated scale
Relay exit, logical, uninterrupted
- Proportional belt of 0.5 to 1000 %
- Integral action temperatures from 0.1 to 100 min
- Shunted action temperatures from 0.01 to 10 min
Auto adaptable PID parameters are calculated by the relay to obtain an excellent regulation

Variable section flow meter

Rotometer : accuracy : ± 3 % of the full scale

1/4 pass disturbing valve