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Product Name :
pH Value Control Trainer

Product Code :
LBNY-0005-12700084



Description :

Digital controller, parameterisable as a P, PI or PID controller
2 pH value sensors in transparent measuring tanks with overflow
Product tank and 2 chemicals tanks
Trainer for control engineering experiments
pH value control process, equipped with standard industrial components
Water connection with control valve and rotameter
Corrosion-resistant piping system
Hand-held pH-meter for product control
Neutralisation of a caustic solution with an acid
2 metering pumps: adjustable manually or via controller
Process variables X and Y accessible as analogue signals via lab jacks
2-channel line recorder.

Technical Specification :

Chemicals tank: 2x 5L
Product tank: 20L
pH value sensor
With glass shaft and PTFE diaphragm
Filled with solid electrolyte
Metering pumps
Max. head: each 160m
Max. flow rate: each 2,1L/h

Controller

Process variables X, Y as analogue signals: 4...20mA

Line recorder

2x 4...20mA

Feed rate 0...7200mm/h, stepped

Measuring ranges

Temperature: 0...80°C

pH value: 1...12.



Laboratory Instrument India