

Product Name :
Calibration Station

Product Code :
AR251



Description :

Calibration Station

Technical Specification :

Calibration Station

The calibration station is used in the investigation of the transmission behaviour of electrical and pneumatic control loop components. Electrical and pneumatic signals can be generated to effect actuation of the individual control loop components. A precision measuring technique facilitates the recording of the output signals from the control loop components. The supply of auxiliary power necessary for many control loop components is also provided.

Three pressure regulators with manometers are included to generate pneumatic signals. They can also be used to supply the components with auxiliary power. A power supply unit with adjustable voltage and current serves as the DC voltage source. Two switchable AC voltage sources supply auxiliary power. Two potentiometers can be used to simulate the behaviour of various devices such as resistance teletransmitters or motorized valves.

Three digital pressure gauges, a voltmeter, an ammeter and a 3-channel line recorder are provided for recording the output signals from the control loop components.

Investigation of transmission behaviour and calibration of electronic and pneumatic control loop components

Sending and measuring pneumatic and electrical signals

3 pressure regulators with manometers

Adjustable power supply unit as DC voltage source

2 switchable AC voltage sources with differing voltages

3 digital pressure gauges with differing measuring ranges

2 adjustable potentiometers

Freely configurable industrial controller

Digital voltmeter
Digital ammeter
3-channel line recorder with freely selectable measuring ranges
Separate high-grade universal calibrator for voltage, current, temperature and resistance

Technical Data:

3 pressure regulators
1x 0...2bar
2x 0...8bar
Power supply unit
Voltage: 0...30vdc
Current: 0...5a
2 AC voltage sources
24VAC
230VAC
2 potentiometers
0...100 Ohm
0...500 Ohm
Measuring ranges
Pressure:
0...0,6bar
0...2,5bar
0...10bar
Voltage: 0...20vdc
Current: 0...20ma
230V, 50Hz, 1 phase

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