

**Product Name :**  
Hydraulic Servo System

**Product Code :**  
AR171



**Description :**

Hydraulic Servo System

**Technical Specification :**

Hydraulic Servo System

Self-contained training system of a complete hydraulic position control loop with adjustable loading conditions  
Oil circuit with hydraulic unit, hydraulic accumulator, 2 manometers, control valve and hydraulic cylinder to move a weighted carriage

Operation of the electromagnetic control valve for position control by servo amplifier

Servo amplifier with adjustable gain

All control variables available as voltage signals

Potentiometric displacement sensor

Adjustable load conditions on carriage using 2 springs with hand wheel and adjustable damping

Low-friction ball bearing-mounted carriage

Mobile steel profile trolley with built-under unit

Software for data acquisition via usb under windows 10

Technical data:

Hydraulic unit

Power output: 1,1kw

Flow rate: 4,3L/min

Head: 1500m

Tank capacity: 10L

Hydraulic accumulator capacity: 2L

Accumulator charging valve: max. 40L/min  
Hydraulic cylinder  
Piston diameter: d=40mm  
Stroke: 150mm  
Mass moved: 50kg  
Control valve NG6  
Nominal flow rate: 24L/min  
Activation:  $\pm 10V$   
Potentiometric position sensor  
Measuring range: 150mm  
Output: 0 ... 10v  
400V, 50Hz, 3 phases

## Naugralabequipments

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