



Product name:
Servo Hydraulic Trainer

Product code:
CIVIL-SHT-163-0001



Description

Servo Hydraulic Trainer

Technical specification

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17. Speed synchronization circuit of speed control valve
 18. Parallel circuit of control valve
 19. Series circuit of control valve
 20. Balance circuit adopting sequence valve
 21. Sequential action circuit controlled by travel switch
 22. One-way blocking circuit adopting pilot operated check valves
 23. Two-way blocking circuit adopting pilot operated check valves
 24. Locking loop adopting O-type reversing valve
 25. Locking loop adopting pilot operated check valve
 26. Differential control circuit
 27. Throttling speed control circuit adopting throttle
 28. Constant pressure throttling speed control circuit adopting speed - regulating valve
 29. Reversing circuit adopting solenoid valve
 30. Secondary pressure loop
 31. Pressure holding circuit
 32. Oil addition circuit
 33. Servo valve commutation control
 34. PID control and state control
 35. Linear voltage divider control
 36. Control loop optimization
 37. Composition of control system with load

Experiment content that can be completed on this servo hydraulic trainer is described below.

Basic Hydraulic Transmission Circuit Experiments (over 30 kinds of circuits)

1. Pressure control loop
2. Single-stage pressure regulator circuit
3. Secondary pressure reducing circuit
4. Single-stage pressure reducing circuit
5. Secondary pressure reducing circuit
6. Directional control loop
7. Commutation circuit of manual reversing valve
8. Commutation circuit of solenoid directional valve
9. Unloading circuit adopting overflow valve
10. Unloading circuit adopting reversing valve
11. Unloading circuit adopting "M"-type reversing valve
12. Pressure holding of the hydraulically controlled check valve
13. Speed regulation loop
14. Throttling and speed regulation of oil incoming passage
15. Throttling and speed regulation of oil outgoing passage
16. Throttling and speed regulation of by-pass oil passage

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