WAGO-I/O-SYSTEM 750
Proportional Valve Module
Multiple valve and coil combinations

Precise current control

Configurable characteristic curves

User-friendly configuration and parameterization using WAGO-I/O-CHECK or via function blocks

Just 12 mm wide, the compact 750-632 Proportional Valve Module offers a high-performance solution for use with multiple valve and coil configurations, significantly simplifying the connection of hydraulic or pneumatic valves to the WAGO-I/O-SYSTEM 750.

The 750-632 features two current-controlled pulse-width modulation (PWM) outputs with adjustable dither for efficient operation. Characteristic curve adaptations, such as ramping zero offset or range limitations, can be adjusted via parameters. Two additional digital inputs can be configured for multiple functions, including JOG, TRIP, HOLD, etc.

750-632 Proportional Valve Module benefits:

- Two single-coil valves or one dual-coil valve can be controlled either uni- or bi-directionally
- Scalable output current up to 2 amps in one-channel operation and up to 1.6 amps in two-channel operation
- Operable via any popular fieldbus (e.g., MODBUS TCP, EtherNet I/P, CAN or PROFIBUS)

Configuration of the 750-632 module can be accomplished with WAGO-I/O-CHECK software, offering graphic tools for time-saving parameter settings. As an alternative, module configuration can be completed by using pre-engineered function blocks. The Proportional Valve Module is ideal for heavy equipment that uses high-pressure pneumatic or hydraulic valves.
Module features:

- Proportional control of hydraulic or pneumatic valves
- Two current-controlled PWM outputs
- Two operative modes:
  - 2 channels with 1.6 A each
  - 1 channel with 2.0 A
- Two configurable digital inputs
- Configurable dithering
- Adjustable ramping
- Configurable valve characteristic curves:
  - Dual gain compensation
  - Scaling
  - Linearization
- Approvals:
  - Conformity designation CE
  - UL 508 (pending)
  - ANSI/ISA 12.12.01 (pending)
  - Shipbuilding (GL)

Part Number: 750-632

Operating modes:

- 2 valves, unipolar
- 2 valves, bipolar
- 1 valve, 2 coils, unipolar
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