

VA6 - F VALVE CONTROLLER FOR PRESS BRAKES WITH LVDT FEEDBACK

VA6 – F is a multichannel Voltage/Current amplifier module designed to drive hydraulic valve coils of a press brake.

VA6 – F simultaneously controls :

- 2 Hoerbiger® proportional valves
- 1 pressure valve and
- 1 crowning valve

VA6 – F has advanced fault detection features making it very easy to diagnosis a valve failure of a press brake.



	Main characteristics
Input Channels	2 x ±10V and 2 x 0..10V
LVDT Input	2 x LVDT inputs: 3V..12V
Outputs Channels	6 channels : 0.5 to 4A software programmable
Protection	Short-circuit protection for all output channels
Dither	50 - 250Hz (0.. 10% of I _{max}) adjustable
Control Functions	Individually adjustable Offsets and Dither (0..10% of I _{max})
Calibration	Auto calibration function of LVDT measurement ranges
Diagnosis	24V Error output for current overload, LED indication for overloaded channel
Interfaces	RS232 Sub-D connector for PC communication
Supervision	Enable signal (24VDC input) with LED indication
Power Supply	Logic : 24VDC, Valves : 15 - 32VDC
Dimensions	L x W x H :122 x 250 x 60, weight : 400 g
Housing and Connectors	DIN Rail mounted housing, screw terminals for AWG 16-30 wire
Temperature Range	0°C .. +50°C

LYNCA - VA6 series hydraulic valve controllers has also other versions for Rexroth® and other manufacturers proportional valves with or without LVDT feedback.

Specific versions may be supplied on demand.

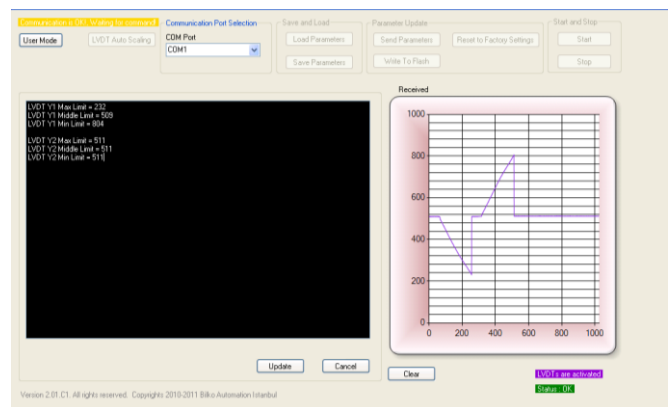
Output Configurations

Output Current Limits are software programmable up to 4A.

Powerful Programming and Diagnosis Software

VA6 – F has an offline programming and diagnosis PC software that allows to :

- Select predefined parameter-sets
- Tune Manually controller parameters
- Set the current limits
- Auto calibrate the LVDT sensors range
- Observe spool responses in 2D graphics
- Diagnosis the valve behaviors
- Analyze the step responses



Open Architecture

VA6 - F control board has a 16- bits microcontroller that is programmed in C language. On request specific signal processing functions can be easily implemented.

Using with Hydraulic Press Brakes

