

Electronic Digital Amplifier PVR6

...the optimum solution for CNC press brakes



Well prepared for any requirements ...

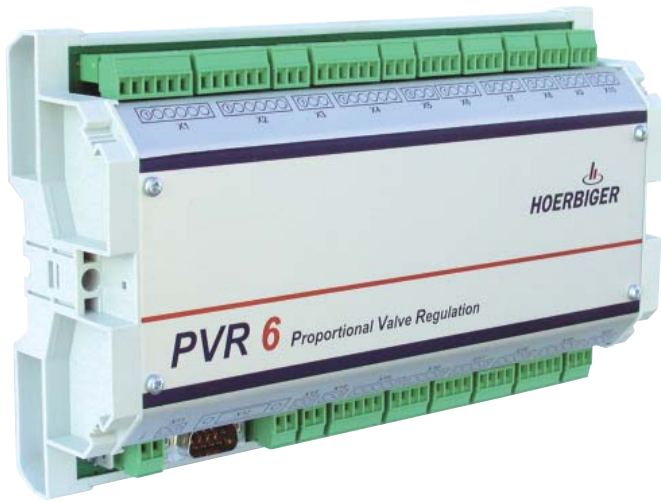


Fig.: Electronic Digital Amplifier PVR6
Dimensions: S x H x D: 212 x 51 x 127,5

Metal forming processes in modern CNC press brakes call for high levels of precision and productivity combined with absolute working reliability.

The electronic digital amplifier PVR6 was particularly designed for use in CNC press brakes and is the interface between press control and the entire proportional hydraulic system.

For hydraulic systems relevant performance criteria like e.g. "load sensing" and pressure control are implemented in the PVR6.

Optimal addition for CNC press brakes:

- Functionality "load sensing" and pressure control are already implemented in the amplifier
- Activation of all functions for optimum valve control are done by inputting codes with two digits
- User specific solutions are easily accomplished by adjustment of the software, e.g. field bus coupling
- Complete data exchange for parameter setup and diagnosis with RS232-Interface
- Two emergency stop circles possible
- Reduction of the emergency stop wiring
- Snap-on-housing allows mounting on rail.

Communication with the amplifier is realized by a RS232-Interface. Beside the selection of the attached valve types, also complete data exchange for parameter setup and diagnosis is possible with this communication.

The power supply of amplifier electronics is consistently separated from the power supply of the load circuits. By a separate feed-in for the proportional directional control valves and proportional pressure control valves the user can apply the machine security concept.

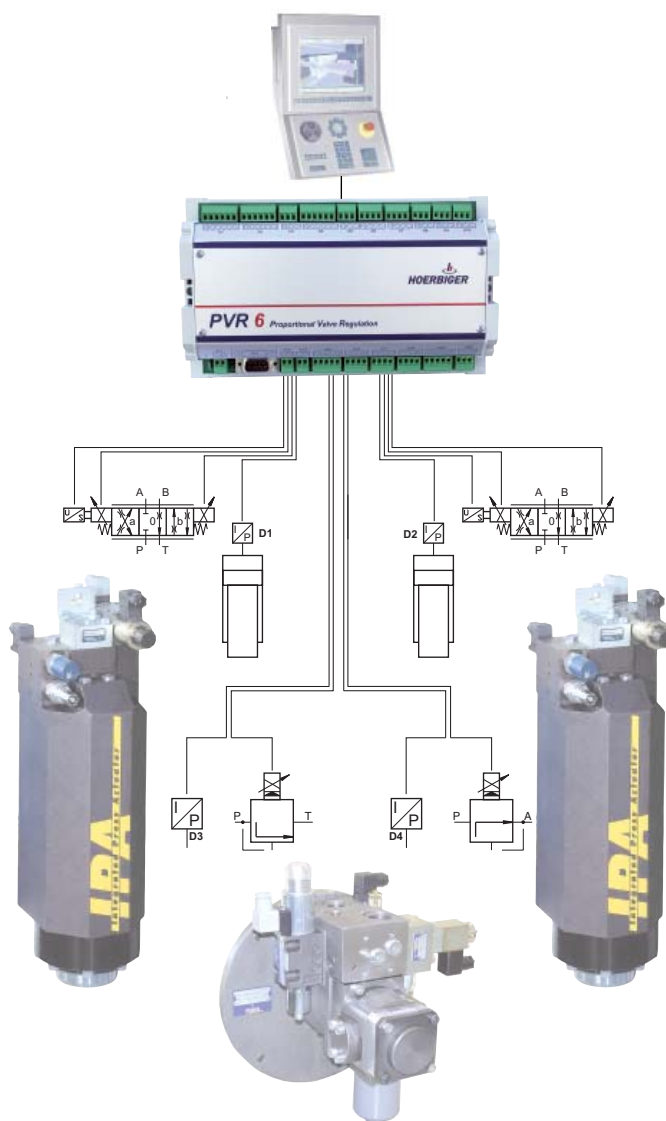


Selected technical data:

Protection class:	IP 20 (EN 60529)
Operating temperature:	0 ... +55°C
Duty cycle:	100%
CE-guidelines:	89/336/EWG
EMV-interference resistance:	EN 61000-6-2
EMV-transient emissions:	EN 61000-6-4
Power supply:	18V DC ... 32V DC

Analog inputs: 2 x set value directional control valves 4 x pressure-/temperature sensor 2 x set value pressure valve	+/- 10V DC 12 Bit resolution 0 (4) ... 20mA 12 Bit resolution 0 ... 10V DC 12 Bit resolution
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Analog outputs: 4 x directional control valve 2 x pressure valve 4 x pressure-/temperature actual value	PWM-output H-bridge $I_{max} = 3A$ PWM-output 1/2 H-bridge, $I_{max} = 3A$ 0 ... 10V
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*Example of use:
Control of the HOERBIGER CNC press brake system IPA*

High precision and productivity by optimum valve control
Particularly designed for HOERBIGER press brake systems

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**With forward-looking ideas and innovative technologies as well as first-rate products and services,
we are always within reach for our customers.**

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