

GLÖTZL Baumeßtechnik

STABILIZER, HYDRAULIC

Type: KM 1 B 16
Art. No.: 48.10.01

For an exact and load relative control of presses, stabilizing equipments are used, which are connected to the hydraulic circuit of the press. By this unit, the power of the press can hydraulically be stabilized by means of an installed electric pressure transducer.

Further measuring devices can be connected by a measuring input of 0– Volt DC:

- Load cells
- Displacement transducers for displacement stabilization



The device operates computer-controlled with a switching speed of \pm digit of the adjusted values and with the following functions:

- Lower limit value for the conveying of hydraulic fluid
- Pressure range for further conveying
- Upper limit value for control of a discharge valve with fine-dosing throttle equipment
- Adjustable cut off of the device in case of overcharge or underload

The electric measuring value, pressure, load or displacement is digitally displayed and compared by the computer with two adjustable numerical values specifying the nominal value.

If the actual value does not correspond to the preselected adjustment, the required pressure is readjusted by pumping or discharge.

Technical data:

Flow rate: 6. 9 and 12 cm³/min

Meas. ranges: 0 – 10 / 16 / 25 / 40 / 60 / 100 /
160 / 250 / 400 and 600 bars

Tank capacity: 3 l

Surrounding temperature: -5 up to +50 °C

Supply: 230 V, 50 Hz, 150 Watt

Control accuracy: +1 up to 0.3 % F.S.

Special equipment:

- Type KM 1 B 16/2, with 2nd pump and motor for a max. flow rate of 24 cm³/min
- Additional tank for further 8 l of hydraulic fluid
- Potential-free contact for external pump: Maximal 250 V, 2 A
- Datalogger for pressure- and displacement sensors

Subject to technical alterations