



Controller M301 / Measuring Amplifier LP12.1 in desktop housing for test bed size I-IV

Constant voltage controller for magnetic powder brakes for

- torque control
- torque limit
- torque measuring

Parallel port to record the operating data:

- desired value
- actual value
- output current
- speed 0-10VDC via miniature round connector (optional)



Floating control electronic

- programmable control functions
- PID controller adjustable
- automatic controller lock
- integrator for desired value
- additional input
- set point voltage 0 – 10 VDC
- external set point default 0 – 10VDC via 4 mm laboratory socket connectors
- output voltage 0 – 24VDC, output current 0-1A

Electronic control of the temperature at the magnetic powder brake via LED-display.

With 1-channel measuring amplifier **LP12.1** to evaluate the torque measurement

- Supply voltage of the resistance bridge: 10 VDC or 15mA
- Sensitivity: 0,2 mV/ V up to 2 mV/ V
- Analog output: ± 10 VDC load up to max. 10 mA
- Linearity error: $\pm 0,25$ %

Control desk with

- ampere meter
- torque indication
- set point potentiometer ¹⁾
- on/off switch ¹⁾
- indicator lamp ¹⁾
- mains supply via cold connector 230VAC +/- 10 % / 50-60 Hz ¹⁾

In desktop housing with front handles; Protection type IP 20; Colour RAL 7035

Dimensions: width x height x depth: 280 x 210 x 370 mm

¹⁾ only desktop housing