

relax and allow us
to take control

Electrical Level Control LC 300 / LC 302

General Description

With the level controls LC 300 / LC 302 you can control the level of clamping plates, foundations and other seismic masses electrically. Basically, the control system consists of the following components:

- electrical level control LC 300 / LC 302
- 3 level control cabinets with level control valve and control rod
- tubes and fittings as well as installation material

Functional Description

The level control distributes the forced air into three systems of air springs. The quantity of forced air is controlled with a tunable throttle and a manometric switch. A water separator and a filter element clean the supply air. Furthermore integrated manometers display the supply pressure and the pressure of the three systems.

The level of the seismic mass is monitored and controlled by means of control rods and level control valves as part of the three level control cabinets. Possible reduction or dislocation of the mass carried on the foundation can thus be compensated. Changing LEDs at the level control show the state of the foundation.

The foundation can be lifted and lowered with a key-operated switch. Thereby pneumatic valves get switched. As soon as the foundation has reached the desired horizontal position, the level control automatically shuts the control valves and the control process is completed.

The electrical level control LC 302 has an additional key-operated switch to change the natural frequency. This allows the adaption to the particular testing frequency.

