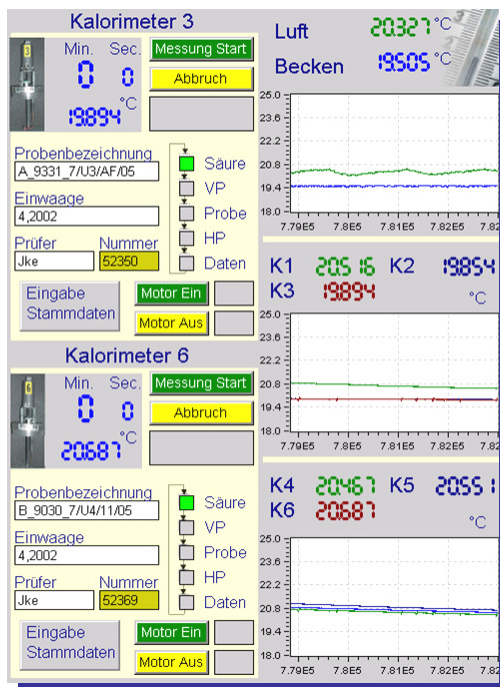
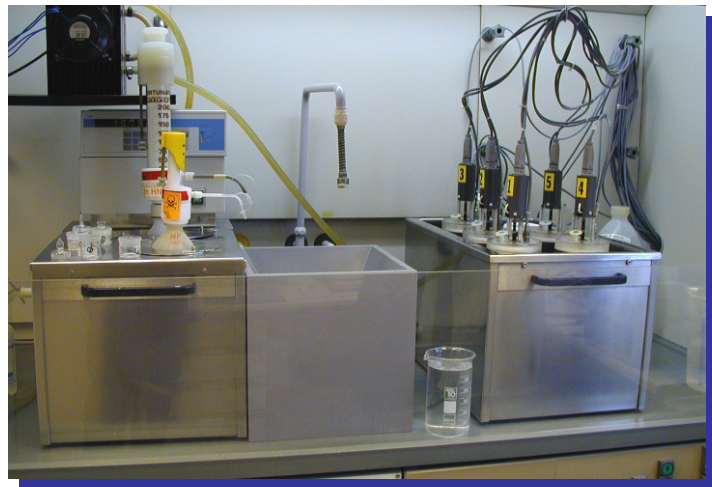




Verein Deutscher Zementwerke e.V. (German Cement Works Association) Research Institute of the cement industry

Quality inspection of different cements

The measurement of the released hydration heat during the dissolving process is a standard procedure to check the quality of cements. The testing takes place in temporally



precise timed steps. The hydration heat, measured in calorimeters over periods of hours or days is a dimension for the quality. With the modules e.bloxx A5-1 temperatures get very precise recorded. The controller e.pac controlled the time flow, started the agitation motors in the 6 calorimeters, visualized and stored the measured values and makes these via Ethernet available to the server of the institute. The programming of the e.pac was realized with the graphical tool e.con.

- Precise logging of the temperature characteristics in the range of 0,02 °C
- Complete processing of the inspection inclusive chronology, motor control system, limit value monitoring, PC independent data backup and data transmission to the measuring server by e.pac.
- Input interface, visualization and organization with e.con

