

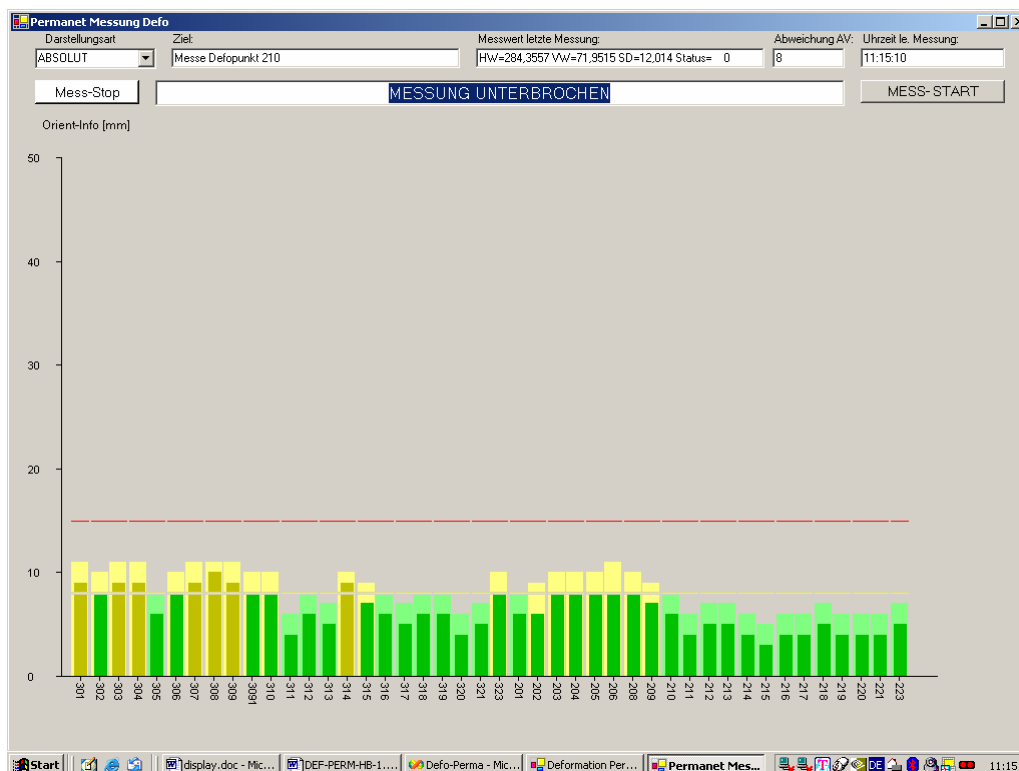
DEFO-PERMA

Program DEFO-PERMA permanently observes the displacement of deformation points. Standard sensor is a Total station (Servotheodolit with automatic Target Recognition). Other possible Sensors are electronic levels (p.e. Sprinter) or rotating Lasers with measuring Sensors

The software controls the total station in order to do an orientation measurement every time before a cycle of observation of all deformation points is executed.

The displacement of the point is shown as in a bar-graphic on screen directly after the measurement of every single point.

It is possible to determine two limit values for any single point (the so called yellow and red alarm). If displacement exceeds one of the limits the corresponding bar will be changed to the colour corresponding to the alarm limit (yellow or red).



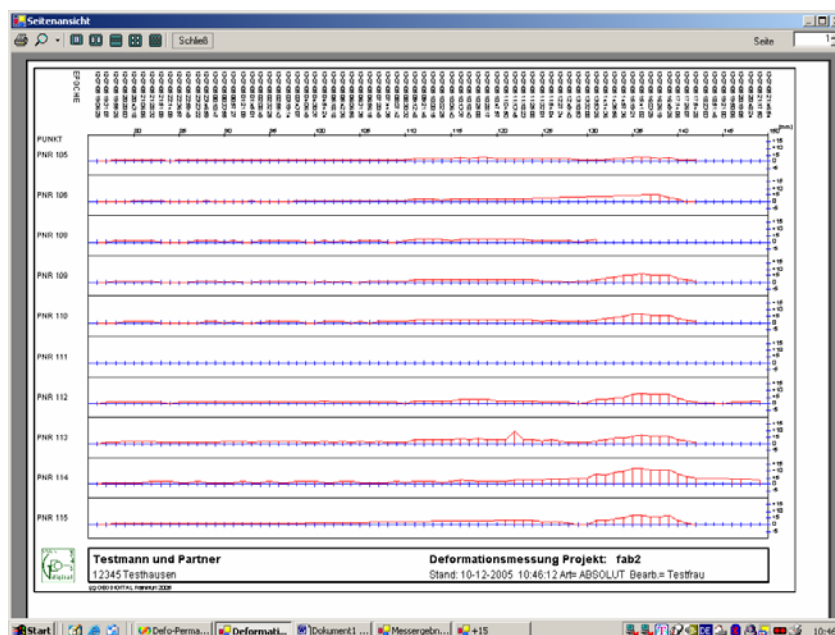
Using the option ALARMBOX (connected via USB) the alarm is shown as an optic alarm (p.e. flashing light) or/and as an acoustic alarm (p.e. electric horn). As an add on to the ALARMBOX there is a modem to send an SMS in case of alarm.

Alarmbox

including optical- and
acoustical
alarm devices



The results of the monitoring are stored in a log file and in a database. The results can be shown in a printout as time/ displacement diagram and also in an ASCII- or CSV-list:



Option:

Virtual Cable - Radio or Bluetooth/R232 radio link between theodolite and pc

Alarmbox (USB) - To show the alarm in an optic and acoustic way

SMS-Modem - SMS Modem to send an Alarm

Interfacing - special developments to integrate other sensors