

Time Resolved Multi Angle Static Light Scattering

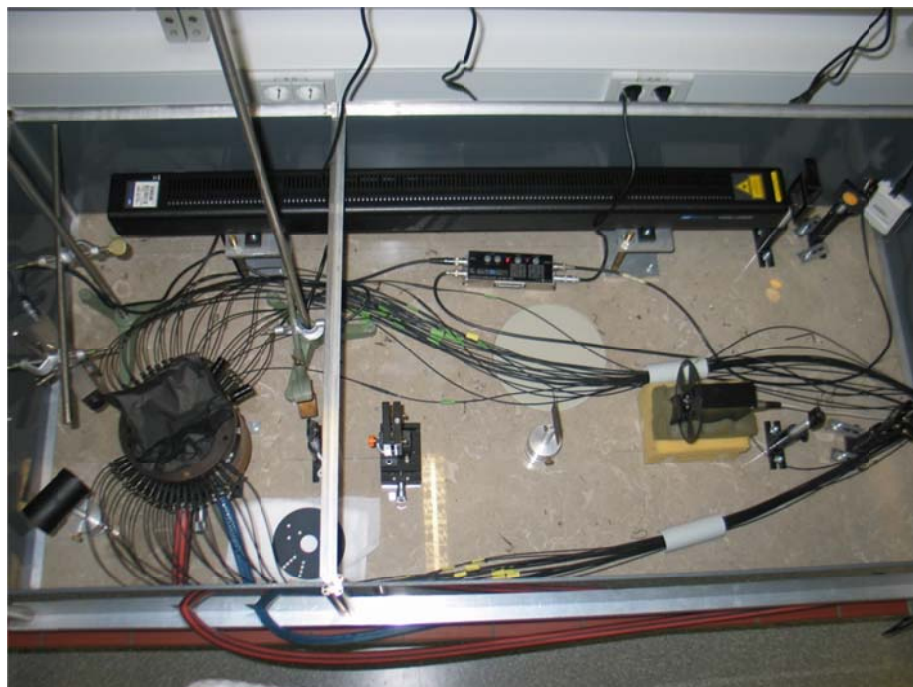


Fig. 1: Goniometer with 38 light guides. The light guides cover an angular range of $25,4^\circ \leq \Theta \leq 143,8^\circ$.

Home-built instrument (Becker, A.; Schmidt, M. *Macromol.Chem Macromol.Symp.* (1991) 50, 249)

light source:

HeNe laser with 35 mW (Coherent) operating at a wavelength of 632.8 nm

detection:

38 light guides, installed at 2x19 different angles, scattered light is guided to photodiodes for time resolved measurements

peripheral devices:

stopped-flow device SFM-20 BioLogic;

photoreceiver FEMTO OE-200-SI-FS for transmission measurements



Fig. 2: Light guides are connected to photodiodes inside the grey box.

Fig.3: stopped-flow device SFM-20 BioLogic.

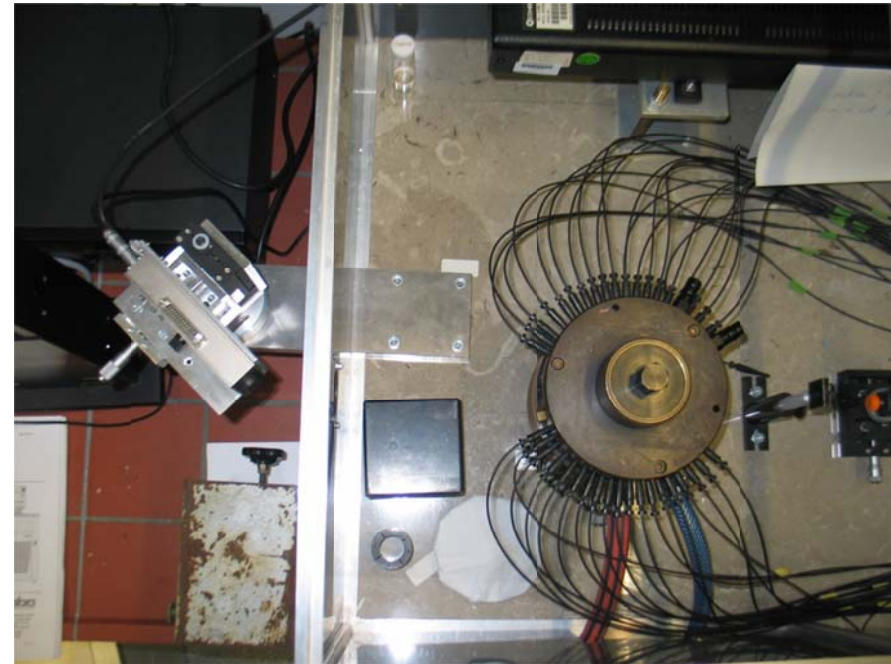


Fig.4: photoreceiver FEMTO OE-200-SI-FS coupled with a lock-in amplifier LIA-MV-150 for transmission measurements.

