# Conductometry *measurement in glove box*	Model: Unit and Room: Responsible: Further information:	*Metrohm 712* *Inorg. Chemistry, 3rd floor, R.341a* *Katharina Pütz, Dr. Valentin Radtke*

Short Description:

Temperature-dependent conductivity measurements using an electrode with platinium plates (min. filling height of the sample: 1.6 cm).

Picture of the Equipment

Available Experiments/Techniques:

Measuring of the samples in an argon filled glove box (water and oxygen content < 1 ppm) and tempering with a metal thermostat (accuracy about ± 0.1°C).

Special Equipment:

Connection of the conductivity-meter device with the glove box.

Measurements on the equipment are currently done by:	☐ Students ☐ Students after Introduction ☐ Students after extensive training ☒ Trained scientific service personal
Recent Publications, where this instrument was important (optional): Give citation	- Chem. Eur. J., 2009, 15, 1966-1976. - Krossing et al., 2010, to be submitted to Chem. Eur. J.
Typical problems that may be solved with this instrument:	*Conductivity measurements of the samples which are oxygen and/or water sensitive.*