



Methods, IGW, Müller-Sigmund

<h2 style="text-align: center;">Titration instruments</h2>	<p>Model:</p> <p>Unit and Room:</p> <p>Responsible:</p> <p>Further information:</p>	<p><i>Metrohm 719S Titrino (2x), 794 Basic Titrino</i></p> <p><i>Mineralogy, Lab Build., R. 02008</i></p> <p><i>Sigrid Hirth-Walther, Angela Thiemann (Dr. Hiltrud Müller-Sigmund)</i></p> <p><i>http://www.minpet.uni-freiburg.de/sites/analytik/analytik.html</i></p>
	<p style="text-align: center;">Picture of the Equipment</p> 	
<p>Short Description:</p> <p>Our metrohm titrators are used to perform fast and precise endpoint titrations.</p>	<p style="text-align: center;">Picture of the Equipment</p> 	
<p>Available Experiments/Techniques:</p> <ul style="list-style-type: none"> - acid-base titration - precipitation titration - redox titrations 		
<p>Special Equipment:</p> <p>Various polarized electrodes (e.g. Ag, pH, AgAgCl..)</p>		
<p>Measurements on the equipment are currently done by:</p>	<p><input type="checkbox"/> Students</p> <p><input type="checkbox"/> Students after Introduction</p> <p><input checked="" type="checkbox"/> Students after extensive training</p> <p><input checked="" type="checkbox"/> Trained scientific service personal</p>	
<p>Recent Publications, where this instrument was important (optional): Give citation</p>	<p>Seelig U. and Bucher K. (2010) Halogens in water from the crystalline basement of the Gotthard rail base tunnel (central Alps). <i>Geochimica et Cosmochimica Acta</i>. doi:10.1016/j.gca.2010.01.030</p>	
<p>Typical problems that may be solved with this instrument:</p>		