

## Functional description

### Titration Excellence Line

Short Description:	The device is a Titrator which incorporates a 125 kHz Transceiver which is used to store and read from a RFID Tag which the user holds close to the antenna. Furthermore, a second, pre-certified, RFID module with 13.56 Mhz is installed.
Frequency Titrator:	125kHz
Protocol Titrator:	HITAG
Modulation Titrator:	ASK
Power of Titrator:	Designed to be lower than the emission limit defined in FCC CFR 47 Part 15 and RSS-210 Issue 9
Frequency RFID module:	13.56 MHz
Protocol RFID module:	ISO 15693
Modulation RFID module:	ASK & PPM
Power of RFID module:	Designed to be lower than the emission limit defined in FCC CFR 47 Part 15 and RSS-210 Issue 9
Intended Use: (Typical customer Workflow)	<p>125kHz for burette:</p> <p>The user plugs a burette with integrated RFID Tag into the burette place.</p> <p>The reader reads out the type of the burette. (5,10,20,25ml)</p> <p>Now the user can perform a titration process on the Titrator Excellence Line</p> <p>13.56MHz for beaker:</p> <p>The reader reads/writes the probe values of the beaker into the Mettler Toledo Titrator to prepare the user method and to start the titration process. ( a weighing probe, a pH value or any fluid parameter )</p>