



**Be Right™**



## **Automatic Titrators: Instrument**

The AT1000 and KF1000 instruments are one touch, automatic laboratory analyzers covering both Potentiometric Titration (AT1000 Series) and Karl Fischer Volumetric Titration (KF1000 Series). These instruments utilize pre-set application packs to deliver accurate and reliable results straight from the box, allowing anyone in the laboratory to quickly perform titrations.

The instrument is one element of a Titalab AT1000 & KF1000 system, which has been designed around the applications instead of the instrument. With Hach you get to choose your application pack and then select the corresponding instrument instead of purchasing an instrument that will take hours of customization to meet your needs. The total system is composed of three elements (application pack, instrument and reagents) and can be configured by following the two simple steps below:

*STEP 1:* Select the Application Pack and Reagents that meet your requirements

*STEP 2:* Select the Instrument that supports your Application Pack

### **Still Need To Do Step 1 and Select Your Application Pack and Reagents?**

If you haven't selected your Application Pack and/or the reagents, please click the "Choose your Titalab AT1000 & KF1000 Series based application." link further down this page.

### **Ready for Step 2 and Selecting Your Instrument?**

Now that you've chosen an Application Pack, the instrument number you need is included at the end of the Application Pack part number for easy reference. It is located after the decimal and below are some examples:

- Application Pack AP0001.AT1102 can be run on the AT1102, AT1112, AT1122 or the AT1222
- Application Pack AP0007.AT1122 can be run on the AT1122 or the AT1222 but not the AT1102 or AT1112
- Application Pack AP0005.AT1222 can be run on the AT1222 but not any of the lower number models

If you plan to run multiple Application Packs on one instrument you will need to order the highest number instrument model to ensure you can run all applications on the one instrument. Therefore, if you are ordering the AP0001.AT1102 and the AP0005.AT1222 you will need to select instrument model AT1222 from the list below. Please call Hach Technical Support with any questions and for help choosing the correct components for your titration needs.

**Click on the Instrument part number below to see details and accessories!**

Part Number	Burette	Pumps	Measurement Method	Required Application Package/s	USD Price
AT1102.97	1	0	Potentiometric (zero & imposed current), amperometric, colorimetric	AP0001.AT1102 pH & Alkalinity in Water  AP0006.AT1102 Volatile Acids & Alkalinity (Biogas)  AP0008.AT1102 pH, Total Acidity (Milk, Tomato Sauce, & Fruit Juice)  AP0015.AT1102 TAN  AP0016.AT1102 TBN	Contact Hach
AT1112.97	1	1	Potentiometric (zero & imposed current), amperometric, colorimetric	AP0003.AT1112 Ca & Mg Hardness in water  AP0010.AT1112 Salt in food products	Contact Hach
AT1122.97	1	2	Potentiometric (zero & imposed current), amperometric, colorimetric	AP0007.AT1122 Free & Total Chlorine, Chlorine Dioxide, Chlorite, & Sulfite (Autocat)  AP0012.AT1122 Free & Total SO <sub>2</sub> in wine	Contact Hach
AT1222.97	2	2	Potentiometric (zero & imposed current), amperometric, colorimetric	AP0005.AT1222 pH, Alkalinity & Hardness in Water  AP0011.AT1222 pH, Total Acidity & Chlorides in Food & Beverage  AP0013.AT1222 pH, Total Acidity, Free & Total SO <sub>2</sub> in Wine	Contact Hach
KF1121.97	1	2	Volumetric Karl Fischer, AC or DC imposed current	AP0014.KF1121 Moisture Content	Contact Hach