The right electrode for your titration application

The applicable electrode for the titration application is a decisive factor for the accuracy and reproducibility of the results. In order to support you with selecting the appropriate electrode, we have summarized the according electrodes fort the most important applications in the following.

Application	Electrode (w.o. temp.-sensor)	Electrode with integrated. temp.-sensor
Acid-base-titrations		
Aqueous, general strong acid and bases	A 7780	–
Kjeldahl	A 7780	–
Alkalinity	N 62, N 61	N 1052 A, N 1051 A
Aqueous, difficult applications	IL-pH-A120MF IL-pH-A170MF	IL-pHT-A120MF-DIN-N IL-pHT-A170-DIN-N
Low ionic liquids	IL-pH-A120MF IL-pH-A170MF	IL-pHT-A120MF-DIN-N IL-pHT-A170-DIN-N
Small sample amounts	N 5900 A	A 157 IL-MICRO-pHT-A-DIN-N
Titration with sample changer (100 – 250 ml vessels)	N 65	N 1051 A IL-pHT-A170-DIN-N
Titration with sample changer (50 ml vessels, micro)	N 5900 A	–
Non aqueous acid base-titrations		
TAN (ASTM 664)	N 6480 eth	–
OH-No, NCO-No, FFA saponification No. …	N 6480 eth	–
TBN (ISO 3771/ASTM 2896)	N 6480 eis	–
Epoxy value	N 6480 eis	–
Titrations with perchloric acid/acetic acid	N 6480 eis	–
Precipitation titrations		
Halogenides (chloride, "salt")	AgCl 62	–
Halogenides, sample changer	AgCl 65	–
Pseudo halogenides (cyanide …)	Ag 6280	–
Detergents	TEN 1100*	–
Redox titrations		
General, iodometric, permanganometric, cerimetric	Pt 62 Pt 6280	–
Iodine number, peroxid number	Pt 61	–
COD	Pt 61	–
Sample changer, general	Pt 6580	–
Sample changer, COD	Pt 5901	–
Dead stop (SO_2 bromine no. …) general	Pt 1200	–
Dead stop (SO_2 bromine no. …) sample changer, general and titration vessels	Pt 1400	–
Dead stop (SO_2 bromine no. …) sample changer micro	KF 1100	–
KF-titrations	KF 1100	–
Complexometric titrations		
Water hardness (Ca/Mg separated)	Ca 1100 A*	–
Water hardness, total	Cu 1100 A*	–
Copper, zinc, nickel, aluminia …	Cu 1100 A*	–

* An applicable reference electrode is required:. B 2920+ respectively. B 3520+