

**AquaMulti Analyzers
Selection Guide**

	PC-Titrate	QC-Titrate	AssayPlus	TitraSip SA	RapidDuo	PC-BOD/Titrate Duo	PC-BOD	PC-BOD SA	PC-BOD Mini
General Description	Multi-Parameter with all analysis capabilities	Multi-Parameter with capability for titration and ion analysis only	Multi-Parameter, no titration capability, commonly installed as single application such as automated fluoride only	Multi-Parameter, no autosampler connection	PC-Titrate System with Dual TitraSip's operating simultaneously. "The High Speed Version of PC-Titrate!"	Automated BOD and Multi-Parameter analysis system in one! "BOD by Day, Titrator by Night!"	Automated BOD System with AutoMax122, 24x300ml bottle capacity	Automated BOD, Stand Alone Version	Automated BOD System with AutoMax73, 11x300ml bottle capacity
Operating Software	PC-Titrate	PC-Titrate	PC-Titrate	PC-Titrate	PC-Titrate	PC-BOD & PC-Titrate	PC-BOD	PC-BOD	PC-BOD
Interface	PC-Titrate Full	QC-Titrate	PC-Titrate Limited	PC-Titrate Limited	PC-Titrate Full	PC-Titrate Full	PC-BOD Full	PC-BOD Full	PC-BOD Full
General Capabilities									
Titration	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
pH	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Ion Analysis (i.e., ISE, fluoride, ammonia)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Conductivity	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Turbidity	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Spectrophotometer (UV/VIS)	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
RapidDuo Capability	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Fast Alkalinity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Simultaneous Measurement (eg., conductivity, alkalinity/fluoride; conductivity, alkalinity/fluoride/turbidity; pH/conductivity)	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-
Process Analysis (Near line)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-
Near Line/Lab Duo (run scheduled process samples and field samples in the same run, automated)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-	-
IntelliRinse	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



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Pump Connections									
Buret Drives	4	1	-	4	4	4	-	-	-
48000 step buret drive	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
SmartCal - automated , unattended calibrations	4	-	4	4	4	4	-	-	-
TitraValve - increases on-demand titrant availability to 8 per buret	4	-	4	4	4	4	-	-	-
Reagent Addition Pumps (eg. pH adjustment, KI add'n, TISAB, ISA, etc.)	40	4	40	40	36	40	10	10	10
TitraSip - automated liquid handling, rinsing and draining in one complete module, includes analysis vessel	4	1	4	4	4	4	-	-	-
Probe Connections									
Electrodes (pH, ISE, redox, photometric)	4	2	up to 4 (depends on parameters required)	4	4	4	1	1	1
Electrodes Galvanically separated	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Thermistor	1 or 2	1	1 or 2	1 or 2	1 or 2	1 or 2	1	1	1
Conductivity/Turbidity/Spectrophotometer	4	-	up to 4 (depends on parameters required)	4	4	4	-	-	-
Temperature compensated measurements	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Temperature Control Connections									
Water bath	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Dry Block	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Temperature Controlled TitraSip Vessel	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-

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AutoMax 73	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	<input checked="" type="checkbox"/>
AutoMax 122	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-
AutoMax 197	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-	-	-
Dual Probe Configurations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				
2 x pH's on the arm, simultaneous measurement	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	-	-
Conductivity and pH measured simultaneously from 2 different sample cups	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-	-	-
Combined Dual Probe and TitraSip Capability	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-	-	-	-
Gas Purge Valve	4	1	4	4	4	4	-	-	-
Applications									
Estimated Maximum number of parameters per sample	up to 15	up to 6	up to 10	up to 10	up to 15	up to 15	2	2	2
Typical applications	pH, conductivity, alkalinity (speciated), fluoride, turbidity, color, hardness, ammonia	pH, alkalinity (speciated), fluoride	pH, conductivity, fluoride, turbidity, color	pH, conductivity, alkalinity (speciated), fluoride, turbidity, color, hardness, ammonia	pH, conductivity, alkalinity (speciated), fluoride, turbidity, color, hardness, ammonia	PC-BOD Mode: BOD & COD. PC-Titrate Mode: pH, conductivity, alkalinity (speciated), fluoride, turbidity, color, hardness, ammonia	BOD, CBOD, pH measurement to confirm in correct range as per regulatory method	BOD, CBOD, pH measurement to confirm in correct range as per regulatory method	BOD, CBOD, pH measurement to confirm in correct range as per regulatory method
Upgradeability									
Upgrade capability	Yes - upgradeable to RapidDuo	-	Yes - upgradeable to PC-Titrate, providing titration capability	Upgradeable to add an autosampler, may require interface electrical modification	Yes - upgradeable to Dual Platform System	Yes - upgradeable to separate systems to two different unique automated systems as the demand arises	Yes - Upgradeable to Dual platform system	Yes - upgradeable to add AutoMax autosampler. Upgradeable to Dual platform system, stand alone or automated.	Yes - Upgradeable to Dual platform system