

Method number	Parameter	Range	Resolution	Reaction time	Measurement error*	Wavelength	Marine water	Fresh water	Measurement method	Basic license	Marine license	Exatitr license	Pool license
Z010F	Test KH Fresh	0.5 - 30°dH	0.5°dH	-	±5% ±0.5 °dH	610 nm		●	Colorimetric method	●			
Z010M	Test KH Marine	0.5 - 20°dH	0.5°dH	-	±5% ±0.5 °dH	610 nm	●		Colorimetric method		●		
Z021	Test GH	1 - 50°dH	0.5°dH	-	±3% ±0.4 °dH	610 nm		●	Adaptation of the standard method for water testing ISO 6059:1999			●	
Z030	pH 4.5 – 6.0	4.5 – 6.0 pH	0.05 pH	-	±0.1 pH	520 nm		●	Adaptation of the methyl red method	●			
Z040	pH 6.0 – 8.5	6.0 – 8.5 pH	0.05 pH	-	±0.1 pH	520 nm		●	Adaptation of the phenol red method	●			
Z050F	Test pH 4.5-9.0 Fresh	4.5 – 9.0 pH	0.05 pH	-	±0.1 pH	470nm 520 nm 610 nm		●	Wide-range colorimetric method	●			
Z050M	Test pH 4.5-9.0 Marine	4.5 – 9.0 pH	0.05 pH	-	±0.1 pH	470 nm 520 nm 610 nm	●		Wide-range colorimetric method		●		
Z210H	Test NO3 High range	5 - 150 mg/l	1 mg/l	5 minutes	±10% ±5 mg/l	520 nm	●	●	Adaptation of the standard method for water testing ISO 13395:2001	●			
Z210L	Test NO3 Low range	0.5 - 30 mg/l	0.5 mg/l	5 minutes	±10% ±1 mg/l	520 nm	●	●	Adaptation of the standard method for water testing ISO 13395:2001	●			
Z220H	Test NO2 High range	1 - 6 mg/l	0.05 mg/l	5 minutes	±5% ±0.1 mg/l	470 nm	●	●	Adaptation of the standard method for water testing EN 26777:1999	●			
Z220L	Test NO2 Low range	0.02-1.5 mg/l	0.01 mg/l	5 minutes	±3% ±0.02 mg/l	520 nm	●	●	Adaptation of the standard method for water testing EN 26777:1999	●			
Z230	Test NH4 Fresh	0.1 - 5 mg/l	0.05 mg/l	10 minutes	±5% ±0.05 mg/l	610 nm		●	Adaptation of the standard method for water testing ISO 7150-1:2002	●			
Z231	Test NH4 Marine	0.1 - 3 mg/l	0.05 mg/l	10 minutes	±5% ±0.05 mg/l	610 nm	●		Adaptation of the standard method for water testing ISO 7150-1:2002		●		
Z240F	Test PO4 Fresh	0.05 - 10 mg/l	0.01 mg/l	10 minutes	±5% ±0.05 mg/l	610 nm		●	Adaptation of the phosphomolybdenum blue method	●			

\* For standard measurement conditions 25°C in the absence of interferences; marine water tests conducted with the use of synthetic water - the adaptation of the ASTM D1141-98 standard.

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Z240M	Test PO4 Marine	0.05 - 10 mg/l	0.01 mg/l	10 minutes	±5% ±0.05 mg/l	610 nm	●		Adaptation of the phosphomolybdenum blue method		●		
Z410	Test Fe	0.05 - 10 mg/l	0.01 mg/l	5 minutes	±3% ±0.05 mg/l	520 nm	●	●	Colorimetric method	●			
Z420	Test Mn	0.05 - 5 mg/l	0.01 mg/l	10 minutes	±3% ±0.05 mg/l	470 nm		●	Adaptation of the formaldoxime method	●			
Z430F	Test Cu Fresh	0.02 - 5 mg/l	0.02 mg/l	6 minutes	±4% ±0.02 mg/l	610 nm		●	Adaptation of the cuprizone method	●			
Z430M	Test Cu Marine	0.08 - 3 mg/l	0.02 mg/l	10 minutes	±5% ±0.02 mg/l	610 nm	●		Adaptation of the cuprizone method		●		
Z440	Test Si	0.05 - 7 mg/l	0.01 mg/l	4 minutes	±3% ±0.05 mg/l	610 nm	●	●	Adaptation of the molybdenum blue method	●			
Z450H	Test K High range	10 - 150 mg/l	0.5 mg/l	1 minute	±10% ±2.5 mg/l	610 nm		●	Adaptation of the tetraphenylborate method	●			
Z450L	Test K Low range	2 - 20 mg/l	0.1 mg/l	1 minute	±7% ±0.5 mg/l	610 nm		●	Adaptation of the tetraphenylborate method	●			
Z450M	Test K Marine	50 -500 mg/l	2,5 mg/l	1 minute	±10% ±10 mg/l	610 nm	●		Adaptacja metody tetrafenylboranu		●		
Z462	Test Ca Marine	200 - 600 mg/l	8 mg/l	-	±3% ±8 mg/l	610 nm	●		Adaptation of the standard method for water testing ISO 6059:1999			●	
Z463	Test Mg Marine	500-1600 mg/l	18 mg/l	-	±3% ±18 mg/l	610 nm	●		Adaptation of the standard method for water testing ISO 6059:1999			●	
Z472	Test Ca Fresh	5-300 mg/l	3,2 mg/l	-	±3% ±2 mg/l	610 nm		●	Adaptation of the standard method for water testing ISO 6059:1999			●	
Z473	Test Mg Fresh	3 - 150 mg/l	1 mg/l	-	±3% ±3 mg/l	610 nm		●	Adaptation of the standard method for water testing ISO 6059:1999			●	
Z610F	Test SO4 Fresh	8 - 200 mg/l	2 mg/l	1 minute	±10% ±2 mg/l	470 nm		●	Turbidimetric method	●			
Z610M	Test SO4 Marine	200 -3000 mg/l	20 mg/l	1 minute	±10% ±20 mg/l	470 nm	●		Turbidimetric method		●		

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Z620	Test O <sub>2</sub>	1 - 10 mg/l	0,1 mg/l	2 minutes	±10% ±0.5 mg/l	470 nm		●	Adaptation of the Winkler method	●			
Z630	Test CO <sub>2</sub>	1 – 50 mg/l	0.25 mg/l	-	±5% ±0.5 mg/l	560 nm		●	Adaptation of the standard method for determining free carbon dioxide by titration method			●	
Z640	Test Cl <sub>2</sub> free	0.1 – 5 mg/l	0.01 mg/l	2 minutes	±3% ±0.05 mg/l	470 nm		●	DPD method				●
Z650	Test Cl <sub>2</sub> total	0.1 – 5 mg/l	0.01 mg/l	4 minutes	±3% ±0.05 mg/l	470 nm		●	DPD method				●

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