

Technical specifications and order information: inoLab® analogue Ion-selective electrodes

Combined ISE and GSE electrodes



	NH 500/2	Ca 800	Ag/S 800	Cl 800	CN 800
Determinable ions	Ammonium	Calcium, Magnesium	Silver, Sulphide	Chloride	Cyanide
Membrane	–	L	S	S	S
Contains reference electrode	Yes	Yes	Yes	Yes	Yes
Measuring range	0.02 to 900 mg/l, With 3 exchange heads and 50 ml electrolyte solution	0.02 ... 40000 mg/l 5 x 10 ⁻⁷ ... 1 mol/l	0.01 ... 108000 mg/l 10 ⁻⁷ ... 1 mol/l 0.003 ... 32000 mg/l 10 ⁻⁷ ... 1 mol/l	2 ... 35000 mg/l 5 x 10 ⁻⁵ ... 1 mol/l	0.2 ... 260 mg/l 8 x 10 ⁻⁶ ... 10 ⁻² mol/l
Bridge electrolyte		ELY/BR/503	ELY/BR/503	ELY/BR/503	ELY/BR/503
Ionic strength-adjusting solution	MZ/NH ₃ /CN	ISA/Ca	ISA/FK (Ag) or according to the operating instructions for sulphide measurement	ISA/FK	
Standard solutions (conc. 10 g/l)	ES/NH ₄	ES/Ca	Standard solutions must be prepared freshly ^③	ES/Cl	MZ/NH ₃ /CN Standard solutions must be prepared freshly
pH range	4–12	2.5–11	2–12	2–12	0–14
Order No. DIN variant	106395 (S7 plug head)	106655	106651	106661	106663
Order No. BNC variant		106654	106650	106660	106662
Order no. Exchange head		106656			

① S = Solid electrode, L = Matrix electrode, G = Glass electrodes

② Titration

③ Preparation according to operating manual

④ Recipes for additionally required solutions are specified in the application report and operating manuals.

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ISE half cell



Cu 800	K 800	Br 800	F 800	NO 800	
Copper, Nickel®	Potassium®	Bromide	Fluoride, Aluminium, Phosphate®, Lithium®	Nitrate	Sodium
S	L	S	S	L	G
Yes	Yes	Yes	Yes	Yes	requires reference electrode R 503/D
0.0006 ... 6400 mg/l 10 ⁻⁸ ... 10 ⁻¹ mol/l	0.04 ... 39000 mg/l 10 ⁻⁶ ... 1 mol/l	0.4 ... 79000 mg/l 5 x 10 ⁻⁶ ... 1 mol/l	0.02 ... sat. mg/l 10 ⁻⁶ ... sat. mol/l	0.4 ... 62000 mg/l,	0.05 ... 23000 mg/l
ELY/BR/503	ELY/BR/503/K	ELY/BR/503	ELY/BR/503	ELY/BR/503/N	ELY/BR/503
ISA/FK	ISA/K	ISA/FK	TISAB	TISAB/NO ₃	ISA/Na
ES/Cu	ES/K	ES/Br	ES/F	ES/NO ₃	ES/Na
2-6	2-12	1-12	5-7	2.5-11	>10
106665	106671	106653	106667	106675	106375 (S7 plug head)
106664	106670	106652	106666	106674	
	106672			106676	