

Mettler Toledo InLab electrodes (continued)

Small volume pH measurement

- Common characteristics mol/L
- Electrode type: Combined pH
- Storage: InLab® storage solution (Cat.number 031341)

						
InLab	Ultra-Micro-ISM	Micro	Micro Pro-ISM	Semi-Micro	Nano	Flex-Micro
PH range	1 to 11	0 to 14	0 to 14	0 to 12	1 to 14	0 to 14
Temperature range	0 to 80°C	0 to 80°C	0 to 100°C	1 to 100°C	0 to 80°C	0 to 80°C
Temperature sensor	-	-	NTC 30 kΩ	-	-	-
Type of membrane glass	LoT	U	U	A41	U	U
Membrane resistance (25°C)	< 700 MΩ	< 1,000 MΩ	< 300 MΩ	< 600 MΩ	< 1,000 MΩ	< 600 MΩ
Junction type	Ceramic	Ceramic	Ceramic	Open Jolction	Ceramic	Porous PTFE
Reference system	ARGENTHAL™	ARGENTHAL™	ARGENTHAL™	ARGENTHAL™	Ag/AgCl	ARGENTHAL™
Reference electrolyte	FRISCOLYT-B	KCl at 3 mol/L	KCl at 3 mol/L	XEROLYT EXTRA	KCl at 3 mol/L Saturated with AgCl	Gel
Connection cable	MultiPin	S7	MultiPin	S7	1 m cable; BNC	1 m cable; BNC
Shaft material	Glass	Glass	Glass	Glass	Steel	Epoxy
Shaft length (mm)	40	60	130	100	30	180
Shaft diameter (mm)	3	3	5	6	1.7	6
Minimum sample volume (µl)	15	45	100	100	5	500
Cat. No.	031356	031045	031172	031046	031212	031198
€ Excl. VAT	NC -	NC -	NC -	NC -	NC -	NC -





Combined glass redox electrode

- Common features
- Storage: InLab® storage solution (Cat.number 031341)
- Reference system: ARGENTHAL™ with Ag⁺ ion barrier
- Cable and connection : S7

			
InLab	Redox	Redox Micro	Redox Ag
Temperature range	0 to 100°C	0 to 100°C	0 to 100°C
Junction type	Ceramic	Ceramic	Ceramic
Stem length	120	100	120
Ø of rod (mm)	12	6	12
Metals	Platinum ring	Platinum ring	Platinum ring
Ref. electrolyte	KCl at 3 mol/L	KCl at 3 mol/L	KNO ₃ at 3 mol/L
Storage	KCl at 3 mol/L	KCl at 3 mol/L	KNO ₃ at 1 mol/L
Cat. No.	031054	031107	031187
€ Excl. VAT	NC -	NC -	NC -

Conductivity probes

- Common feature
- Storage: dry

				
InLab	731-ISM	741-ISM	710	751-4 mm
Measuring range	0.01 to 1000 mS/cm	0.001 to 500 µS/cm	0.01 to 500 mS/cm	0.01 to 100 mS/cm
Temperature range	0 to 100°C	0 to 100°C	0 to 100°C	0 to 100°C
Temperature sensor	NTC 30 kΩ	NTC 30 kΩ	NTC 30 kΩ	NTC 30 kΩ
Connection cable	1.2 m Mini-DIN cable	1.2 m Mini-DIN cable	1.2 m Mini-DIN cable	1.2 m Mini-DIN cable
Electrode material	Epoxy	Stainless steel	Glass	Glass
Electrode length (mm)	120	120	120	120
Shaft diameter (mm)	12	12	12	4
Cell constant	0.57 cm-1	0.105 cm-1	0.80 cm-1	1 cm-1
Cell type	4-pole graphite	2-pole steel	4-pole platinum	2-pole platinum
Cat. No.	031136	031138	031278	031214
€ Excl. VAT	NC -	NC -	NC -	NC -