

Ion Selective Electrodes

Silver/Sulfide · Sodium · Reference

3

ISE

SENSORS



Parameter	Silver/Sulfide		Sodium	Reference
Code	HI4015	HI4115	FC300B	HI5315
Type	solid-state; half-cell	solid-state; combination	glass combination	N/A
Measurement Range	1.0M to $1 \cdot 10^{-6}$ M 107900 to 0.11ppm (Ag ⁺) 1.0M to $1 \cdot 10^{-7}$ M 32100 to 0.003 ppm (S ²⁻)	Ag ⁺ 1.0M to $1 \cdot 10^{-6}$ M 107900 to 0.11ppm S ²⁻ 1.0M to $1 \cdot 10^{-7}$ M 32100 to 0.003 ppm	1M to $1 \cdot 10^{-5}$ M 22990 to 0.23 ppm	N/A
Optimum pH Range	2 to 8 (Ag ⁺) 12 to 14 (S ²⁻)	Ag ⁺ 2 to 8 S = 12 to 14	9.75 to 14 pH	N/A
Temperature Range	0 to 80°C	0 to 80°C	0 to 80°C	0 to 85°C
Approximate Slope	+56 (Ag ⁺) / -28 (S ²⁻)	+56 Ag ⁺ / -28 S ²⁻	+57	N/A
Body O.D.	12 mm	12 mm	12 mm	12 mm
Insertion Length	120 mm	120 mm	120 mm	120 mm
Body Material	epoxy	PEI	glass	PEI
Cable	1 m coaxial	1 m coaxial	1 m coaxial	1 m coaxial
Possible Applications	used as an indicator for titrations using silver nitrate; for the determination of sulfide ions in waters, paper liquors, natural waters and soils.		water, soil, food products, soup, dairy, brines, soft drinks, beer, wine and laboratory	used to complete electrical circuit and to provide stable reference voltage for ISE half-cells
Connection	BNC	BNC	BNC	BNC