
Chapter 10 Specifications

10.1 Model Information

Item	Description
Brand (pet name)	LAQUA
Series name	Benchtop pH/Water Quality Analyzer
Model	DS-72G
Model description	COND METER

10.2 Measuring Object

Measuring object	Item	Description
Temperature	Measuring principle	Thermistor method
	Display range	−30.0°C to 130.0°C
	Measuring range	0.0°C to 100.0°C
	Resolution	0.1°C
	Repeatability	±0.1°C ±1 digit
Conductivity (COND)	Measuring principle	2 AC bipolar method
	Measuring range	Cell constant 1 cm ⁻¹ : 0.00 μS/cm to 199.9 mS/cm
		Cell constant 0.1 cm ⁻¹ : 0.000 μS/cm to 19.99 mS/cm
		Cell constant 10 cm ⁻¹ : 0.0 μS/cm to 1.999 mS/cm
	Resolution	0.05% of full scale
	Repeatability	±0.5% ±1 digit of full scale
Resistivity (Resist)	Measuring principle	Conversion from conductivity value
	Measuring range	Cell constant 1 cm ⁻¹ : 0.000 kΩ•cm to 19.99 MΩ•cm
		Cell constant 0.1 cm ⁻¹ : 0.00 kΩ•cm to 199.9 MΩ•cm
		Cell constant 10 cm ⁻¹ : 0.0 Ω•cm to 1.999 MΩ•cm
	Resolution	0.05% of full scale
	Repeatability	±0.5% ±1 digit of full scale
Salinity (SAL)	Measuring principle	Conversion from conductivity value
	Measuring range	0.00 PPT to 80.00 PPT (0.000% to 8.000%)
	Resolution	0.01 PPT (0.001%)

Measuring object	Item	Description
TDS	Measuring principle	Conversion from conductivity value
	Measuring range	0.01 mg/L to 1000 g/L
	Resolution	0.01 mg/L