



CA9300 Controller

Smart Simplicity for Essential Control



Precise. Reliable. Versatile.

Real-time Monitoring of pH, ORP, and Conductivity

Designed for Industrial & Environmental Applications

Introducing the CA9300 Controller

HACH's latest basic solution for pH/ORP and Conductivity measurement. Designed for essential water quality monitoring, it offers a streamlined solution for facilities seeking reliable control in competitive markets.

Key Features



Compact & Efficient

Designed for straightforward installation and operation.



Essential Functionality

Supports core parameters like pH/ORP and conductivity.



Standard Controller

Positioned to compete effectively in price-sensitive markets.



Localized Availability

Approved for sale across key APAC markets with localized support and documentation.

Sensor Compatibility



Category	Series
GLI pH	¾ inch combination pH electrode, Differential pH electrode
GLI ORP	¾ inch combination ORP electrode, Differential ORP electrodes
Polymetron pH	8350
Polymetron ORP	8351
GLI Conductivity	3400 Series
Polymetron Conductivity	831X

Measurement Range

pH Measurement

Electrode Types: Combination pH electrode, Differential pH electrode

Range: 0.00 – 14.00 pH

Resolution: 0.01 pH

ORP Measurement

Electrode Types: Combination ORP electrode, Differential ORP electrodes

Range: -1500 mV to +1500 mV

Resolution: 0.1 mV

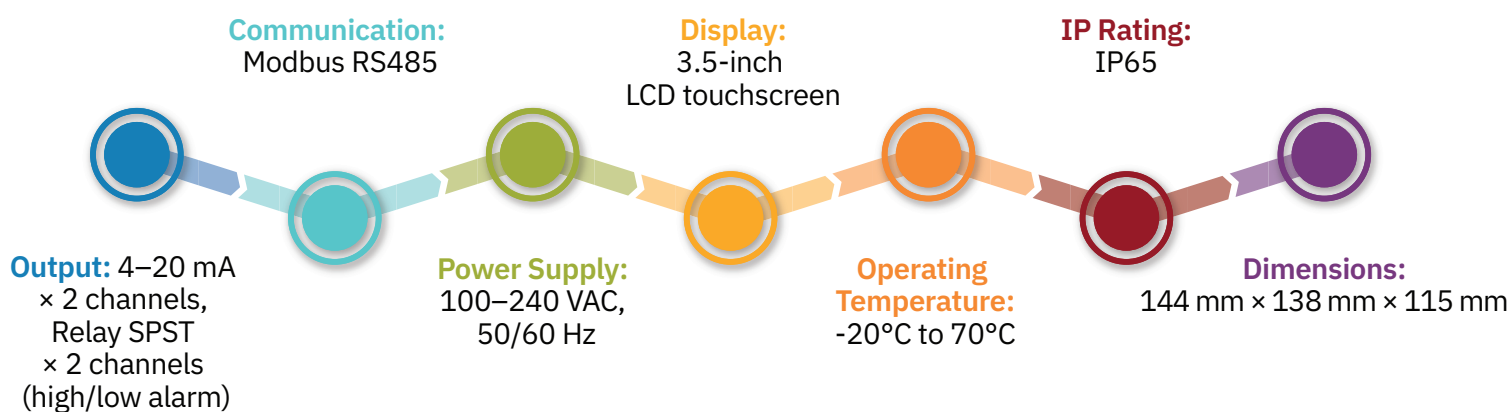
Where CA9300?

- Raw water
- Drinking water
- Pure water
- Process water
- Wastewater

Conductivity Measurement

Cell Constant	Measuring Range
0.01	0.01 μS – 200 $\mu\text{S}\cdot\text{cm}^{-1}$
0.05	0.05 μS – 1 $\text{mS}\cdot\text{cm}^{-1}$
0.1	0.1 μS – 2 $\text{mS}\cdot\text{cm}^{-1}$
0.5	0.5 μS – 10 $\text{mS}\cdot\text{cm}^{-1}$
1	1 μS – 20 $\text{mS}\cdot\text{cm}^{-1}$
5	5 μS – 100 $\text{mS}\cdot\text{cm}^{-1}$
10	10 μS – 200 $\text{mS}\cdot\text{cm}^{-1}$

Specifications Overview



SC4500 vs CA9300 – Which Controller Fits Your Needs?



Feature	SC4500	CA9300
Target Use	Advanced Controller for multi-parameter integration	Basic Controller for pH/ORP & conductivity
Sensor Compatibility	Full SC sensor portfolio (digital & analog)	Analog pH/ORP and conductivity sensors only
Connectivity	Modbus, Profibus, Profinet, LAN, Wi-Fi, Claros	Modbus RS485
Predictive Diagnostics	Prognosys™ embedded	Not available
Real-Time Control (RTC)	Supports RTC modules	Not supported
Display & Interface	3.5" TFT touchscreen	3.5" LCD touchscreen
Installation Footprint	Same for both controllers	Same for both controllers
Price Point	Premium	Standard
Ideal For	Facilities needing advanced control	Facilities needing simple, reliable monitoring

Why Choose CA9300?

- **Standard Controller:** Designed to meet competitive market needs.
- **Simplicity:** Easy to install, operate, and maintain.
- **Localized Support:** Approved and supported across Southeast Asia.
- **Bundling Strategy:** Ideal for bundling with analog pH/ORP and conductivity sensors.

Hach Technical Support

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