



SC200 Controller, 24 VDC, no digital sensor inputs, no analog sensor modules, two 4-20 mA outputs

Product #: LXV404.99.70002

ZAR Price: Contact Hach
Available

One Controller for the Broadest Range of Sensors

The Hach SC200 Universal Controller is the most versatile controller on the market. It allows the use of both digital and analog sensors, to provide compatibility with the broadest range of sensors. The SC200 replaces the Hach SC100 digital and GLI53 analog controllers with advanced features for easier operator use. Customers may add communication modules for a variety of protocols including MODBUS RTU, Profibus DPV1, and HART. The SC200 is compatible with sensors for over 17 parameters, including pH/ORP, dissolved oxygen, chlorine, conductivity, flow, turbidity, and much more.

Maximum Versatility

The SC200 controller allows the use of digital and analog sensors, either alone or in combination, to provide compatibility with Hach's broad range of sensors, eliminating the need for dedicated, parameter-specific controllers.

Ease of Use and Confidence in Results

Large, high-resolution, transreflective display provides optimal viewing resolution in any lighting condition. Guided calibration procedures in 19 languages minimize complexity and reduce operator error. Password-protected SD card reader offers a simple solution for data download and transfer. Visual warning system provides critical alerts.

Wide Variety of Communication Options

Utilize two to five analog outputs to transmit primary and secondary values for each sensor, or integrate Hach sensors and analyzers into Modbus RS232/RS485, Profibus DP, and Hart networks.

Specifications

Analogue Output Functional Mode:	Linear, logarithmic, bi-linear, PID
Analogue Outputs:	Two (Five with optional expansion module) isolated current outputs, max 550 Ω , Accuracy: $\pm 0.1\%$ of FS (20mA) at 25 $^{\circ}\text{C}$, $\pm 0.5\%$ of FS over -20 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ range
	Operational Mode: measurement or calculated value
Communication:	Standard (2x 4-20 mA outputs)
Communication Capabilities:	2x 4-20 mA Out
Communication: digital:	Modbus RS232/RS485, Profibus
Conduit Openings:	1/2" NPT Conduit
Dimensions (H x W x D):	144 mm x 144 mm x 181 mm
Display:	Graphic dot matrix LCD with LED backlighting, transreflective
Display Resolution:	240 x 160 pixels
Display Size:	48 x 68 mm
Electrical Certifications:	EMC
	CE compliant for conducted and radiated emissions:

- CISPR 11 (Class A limits)
- EMC Immunity EN 61326-1 (Industrial limits)

Safety

cETLus safety mark for:

- General Locations per ANSI/UL 61010-1 & CAN/CSA C22.2. No. 61010-1
- Hazardous Location Class I, Division 2, Groups A,B,C & D (Zone 2, Group IIC) per FM 3600 / FM 3611 & CSA C22.2 No. 213 M1987 with approved options and appropriately rated Class I, Division 2 or Zone 2 sensors

cULus safety mark

- General Locations per UL 61010-1 & CAN/CSA C22.2. No. 61010-1

Enclosure rating:	IP66 / NEMA 4X
Length:	181 mm
Manual Languages:	Bulgarian, Chinese (PRC), Croatian, Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Lithuanian, Polish, Portuguese (Brazil), Portuguese (Portugal), Romanian, Russian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish
Material Enclosures:	Polycarbonate
	Aluminium (powder coated)
	Stainless steel
Mounting Configurations:	Wall, pole, and panel mounting
Operating temperature range:	-20 - 60 °C at 0 - 95% RH (non-condensing)
Power Options:	24 VDC
Power requirements (Hz):	50 - 60 Hz
Power requirements (Voltage):	24 VDC
Power supply:	24 VDC, with 2x strain relief's
Relay functions:	Scheduler (timer), alarm, feeder control, event control, pulse width modulation, frequency control, and warning
Relay: Operational mode:	Primary or secondary measurement, calculated value (dual channel only) or timer
Relays:	Four electromechanical SPDT (Form C) contacts, 1200 W, 5 A
Security levels:	2 password-protected levels
Sensor Input #1:	None
Sensor Input #2:	None
Storage conditions:	-20 °C to 70 °C
Warranty:	24 months
Weight:	1.70 kg