Be Right™

SC200 Controller, 24 VDC, two analog conductivity sensor inputs, HART, two 4-20 mA outputs

Product #:	LXV404.99.75222
ZAR Price:	Contact Hach
No availability shown	

One Controller for the Broadest Range of Sensors

The SC200 Universal Controller is the most versatile controller on the market. It allows the use of digital and analog sensors, either alone or in combination, to provide compatibility with the broadest range of sensors. It replaces the Hach sc100 digital and GLI53 analog controllers with advanced features for easier operator use. The SC200 controller can be configured to operate two digital sensor inputs, two analog sensor inputs, or a combination of one digital and one analog input. Customers may add communication modules for a variety of protocols including MODBUS RTU, Profibus DPV1, and HART.

Maximum Versatility
• Standardized controller eliminates the need for a variety of dedicated controllers

• Multi-channel controller operates either 1 or 2 sensors reducing inventory holding costs, and providing an inexpensive option to add a second sensor at a later time

• "Plug and Play" operation with all Hach digital sensors

• True dual sensor controller provides 4-20 mA outputs to transmit primary and secondary measurement values

Ease of Use
• New display and guided calibration procedures reduce operator error

• Simple, intuitive user interface for navigating both sensor and controller options

Confidence in Results
• Password protected SD card reader offers a simple solution for data download and transfer

• Visual warning system provides critical alerts

One Controller, Numerous Communication Options
Hach offers the largest portfolio sensors and analyzers for water analytics with MODBUS RS232, MODBUS RS485, Profibus DP, and HART capability.

Broadest Range of Sensors
Use the SC200 Universal Controller in combination with over 30 different sensor families covering 17 different parameters

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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:± 0.1% of FS (20mA) at 25 °C, ± 0.5% of FS over -20 °C to 60 °C range
	Operational Mode: measurement or calculated value

Communication:	HART and two 4-20mA outputs
Communication Capabilities:	HART
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:	Analog Conductivity
Sensor Input #2:	Analog Conductivity
Storage conditions:	-20 °C to 70 °C

Warranty:	24 months
Weight:	1.70 kg
What's included?:	Controller, Mounting Hardware, Basic User Manual

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