



Be Right™



SC200 Universal Controller: 100-240 V AC with two digital sensor inputs and two 4-20 mA outputs

Product #: LXV404.99.00552
NZD Price (Incl. GST): Contact Hach
In Stock - Ships within 1 week

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

Specifications

Analog Output Functional Mode:	Linear, Logarithmic, Bi-linear, PID
Analog Outputs:	Two (Five with optional expansion module) isolated current outputs, max 550 Ω. Optional 4 addition 4/20 insulated current outputs, max 550 Ω
Communication:	Standard (2x 4-20 mA outputs)

Communication Capabilities:	2x 4-20mA Out
Conduit Openings:	1/2" NPT Conduit
Depth:	7.1 inch
Dimensions (H x W x D):	144 mm x 144 mm x 181 mm
Display:	Graphic dot matrix LCD with LED backlighting
Display Resolution:	240 x 160 pixels
Display Size:	1.9 x 2.7 inches (48 mm x 68 mm)
Electrical Certifications:	EMC - Certified CE compliant for conducted and radiated emissions (EN 50081-2) and immunity (EN 61000-6-2), General purpose - UL through ETL, Class I, Div. 2 (Groups. A, B, C, and D) - CSA (pending)
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, Panel Mounting
Operating temperature range:	-20 - 60 °C at 0 - 95% RH (non-condensing)
Power Options:	100-240V AC, No Power Cord
Power requirements (Hz):	50 - 60 Hz
Power Requirements (Voltage):	100 - 240 VAC
Power supply:	100-240 V AC (no power cord)
Relay Functions:	Scheduler (timer), alarm, feeder control, event control, pulse width modulation, frequency control, and warning
Relay: Operational Mode:	Primary of secondary measurement, calculated value or timer
Relays:	Four electromechanical SPDT (Form C) contacts, 1200 W, 5 A
Security Levels:	2 password-protected levels
Sensor Input #1:	Digital
Sensor Input #2:	Digital
Storage conditions:	-20 °C to 70 °C
Warranty:	2 years
Weight:	1.7 kg

What's in the box?

Controller, Mounting Hardware, Basic User Manual