



Be Right™



## SC200 Universal Controller: 100-240 V AC (EU power cord) with two digital sensor inputs, HART and two 4-20mA outputs

Product #: LXV404.99.25552

NZD Price (Incl. GST): Contact Hach

Not in stock - ships within 4-6 weeks

### 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, 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:                | MODBUS RS232/RS485, PROFIBUS DPV1, or HART 7.2 optional                                                                                                                                                                                                                                  |
| Communication Capabilities:   | Hart                                                                                                                                                                                                                                                                                     |
| 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                                                                                                                                                                                                                     |
|                               | 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:                | 100-240V AC, EU Power Cord                                                                                                                                                                                                                                                               |
| Power requirements (Hz):      | 50 - 60 Hz                                                                                                                                                                                                                                                                               |
| Power Requirements (Voltage): | 100 - 240 VAC                                                                                                                                                                                                                                                                            |
| 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:              | Digital                                                                                                                                                                                                                                                                                  |
| Sensor Input #2:              | Digital                                                                                                                                                                                                                                                                                  |
| Storage conditions:           | -20 °C to 70 °C                                                                                                                                                                                                                                                                          |
| Warranty:                     | 2 years                                                                                                                                                                                                                                                                                  |
| Weight:                       | 1.70 kg                                                                                                                                                                                                                                                                                  |

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## What's in the box?

