# SC200 Controller, 2x Digital

**Product #:**               **LXV404.99.05551**

AED Price:                   Contact Hach

## One controller for the broadest range of sensors

**Maximum versatility**
The SC200 controller allows the use of digital and analogue 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 minimise 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**
Utilise two to five analogue outputs to transmit primary and secondary values for each sensor, or integrate Hach sensors and analysers into Modbus RS232/RS485, Profibus DP, and Hart networks.

## Specifications

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|---|---|
| Analogue output functional mode: | Linear, logarithmic, bi-linear, PID |
| Analogue outputs: | Two (five with optional expansion module) to 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: 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

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|---|---|
| Enclosure waterproof rating: | IP66 / NEMA 4X |
| 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: | 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 requirements (Hz): | 50/60 Hz |
| Power requirements (Voltage): | 100 - 240 V AC, 24 V DC |
| 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 |
| Storage conditions: | -20 - 70 °C |
| Warranty: | 24 months |
| Weight: | 1.7 kg |