

## Product SPOTLIGHT

### Available in digital or analog versions!

## Hach/GLI sc200 pH/ORP Controllers

- Universal design allows easy customization in the field—expand or change up your system using a variety of modules
- Units feature two 4-20 mA outputs and four SPDT relays



sc200 controllers display sensor measurements, transmit signals, and interact with and control other devices using simple menu-driven programming. Outputs, relays, sensors and sensor modules are all configured and calibrated on the high-resolution display. View as a single-channel measurement, split screen of up to four measurements, or graphical display for monitoring trends.

Controllers log up to 20,000 data points per sensor. SD card (sold separately) lets you transfer event history, logged data and controller settings to a computer—no special software required. Units feature four SPDT relays to trigger alarms and timers, and control pumps and other devices. Dual-input controllers allow mathematical calculation between two sensors. Calculations can be data logged or have outputs assigned to their value.

All units feature a communication slot for use of optional modules; choose from a (3) 4-20 mA output module, or those for HART®, PROFIBUS® DP or Modbus communications (modules sold separately). Controllers accept both differential and combination pH/ORP electrodes, and several different automatic temperature compensating (ATC) elements. Included mounting kit allows surface, panel or pole mounting.



### A sc200 Digital Controllers

Digital controllers have a universal connector that's compatible with any Hach digital electrode. This plug-and-play design eliminates the need for parameter-specific controllers. Each parameter's electrode (sold separately) performs internal calibration, provides immediate electrode recognition and guards against electrical interference.

### B sc200 Digital/Analog Controllers

Units offer a single universal digital input connector (as described above), plus a secondary input module for measuring an analog 4-20 mA signal.

### C sc200 Analog Controllers

Analog controllers feature a single dedicated input for analog pH/ORP electrodes. Units accept a secondary input module (sold separately) for measuring an analog pH or ORP, 4-20 mA, dissolved oxygen, conductivity or flow sensor.

#### Range

**Differential:** pH: -2.00 to 14.00; ORP: -1,500 to 1,500 mV  
**Combination:** pH: 0.00 to 14.00; ORP: -2,000 to 2,000 mV

**Display:** backlit LCD, 2.6"W x 1.8"H

**Control type:** on/off, proportional or PID

**Analog output:** two isolated 4-20 mA, 600Ω max load

**ATC element:** 1000Ω Pt RTD, 100Ω Pt RTD, or NTC 300Ω thermistor

**Relays:** 4 SPDT relays rated 5A @ 250 VAC or 5A @ 24 VDC (varies by model)

**Power:** 100-240 VAC, 50/60 Hz or 24 VDC (varies by model)

**Enclosure:** 1/2 DIN, 5.7"W x 5.7"H x 7.1"D, NEMA 4X/IP65

**Approvals:** CSA, UL, FM

#### sc200 pH/ORP Controllers

| MFR #   | POWER SUPPLY | INPUT 1                | INPUT 2                 | STOCK # | EACH |
|---|--------------|------------------------|-------------------------|---------|------|
| <b>A DIGITAL CONTROLLERS ONLY</b>               |              |                        |                         |         |      |
| LXV404.99.00502                                 | 100-240 VAC  | Universal Digital      | None                    | 29175   | \$   |
| LXV404.99.70502                                 | 24 VDC       | Universal Digital      | None                    | 29178   | \$   |
| LXV404.99.00552                                 | 100-240 VAC  | Universal Digital      | Universal Digital       | 202010  | \$   |
| LXV404.99.70552                                 | 24 VDC       | Universal Digital      | Universal Digital       | 29179   | \$   |
| <b>B COMBINATION DIGITAL/ANALOG CONTROLLERS</b> |              |                        |                         |         |      |
| LXV404.99.00542                                 | 100-240 VAC  | Universal Digital      | Analog (4-20 mA Module) | 29176   | \$   |
| LXV404.99.70542                                 | 24 VDC       | Universal Digital      | Analog (4-20 mA Module) | 29177   | \$   |
| <b>C ANALOG CONTROLLERS ONLY</b>                |              |                        |                         |         |      |
| LXV404.99.00102                                 | 100-240 VAC  | Analog (pH/ORP Module) | Analog (Empty Module)   | 38051   | \$   |
| LXV404.99.70102                                 | 24 VDC       | Analog (pH/ORP Module) | Analog (Empty Module)   | 29180   | \$   |

*Protect your controller with optional metal weather shields and plastic UV sun screens.*



#### A B C Accessories for All Controllers

| MFR #         | DESCRIPTION                                      | STOCK # | EACH |
|---------------|--|---------|------|
| 9334600       | 4-20 mA Module (Provides Three More Outputs)     | 204661  | \$   |
| 9013200       | Communications Module, Modbus RS-232/485         | 203623  |      |
| 9173900       | Communications Module, PROFIBUS DP               | 13884   |      |
| 9328100       | Communications Module, HART                      | 13885   |      |
| 9218100       | Secure Digital (SD) Memory Card, 4 GB            | 67224   |      |
| 9218200       | SD Card Reader                                   | 67255   |      |
| 5448800       | Power Cord with Strain Relief, 125 VAC, 6'L      | 38060   |      |
| 1000G3088-001 | Weather Shield for Controller, Metal             | 38058   |      |
| 8809200       | Sun Screen for Controller Display, Plastic       | 38059   |      |
| 9220600       | Sun and Weather Shield with UV Protection Screen | 17369   |      |

#### C Accessories for Analog Controllers

| MFR #   | DESCRIPTION   | STOCK # | EACH |
|---------|---|---------|------|
| 9012900 | Secondary Analog Input Module, pH/ORP/DO                            | 38054   | \$   |
| 9013000 | Secondary Analog Input Module, Conductivity                         | 38055   |      |
| 9012700 | Secondary Analog Input Module, Flow                                 | 38056   |      |
| 9012800 | Secondary Analog Input Module, 4-20 mA (Provides One 4-20 mA Input) | 13886   |      |