



Be Right™



## sc200 Universal Controller: 100-240 V AC with 2 cord grips, one analog flow sensor input, MODBUS RS232 & RS485 and two 4-20mA outputs

Product #: LXV404.99.11302

AUD 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 operates (1) Ultrasonic Flow Sensor, has Modbus RTU communication and is designed to give highly accurate flow and depth measurements for your open channel flow monitoring applications. From the easy-to-read display to reliable data management with SD card data transfer, the flow system provides an economical choice for flow monitoring. The flow system can be used for a variety of applications including NPDES permitting requirements and the monitoring of storm water, inlet flow, final effluent and activated sludge. It replaces the Hach GLI53 analog controller with advanced features for easier operator use.

The sc200 controller platform can be configured to operate either 2 Digital Sensor Inputs, or 1 or 2 Analog Sensor Inputs, or a combination of Digital and Analog Sensor Inputs. Sensor sold separately.

#### Maximum Versatility

Standardized controller eliminates the need for a variety of dedicated controllers. Operates 1 or 2 sensors reducing inventory. 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 and Confidence in Results

New display and guided calibration procedures reduce operator error. 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 of sensors and analyzers for water analytics with MODBUS RS232, MODBUS RS485 and Profibus® DP capability.

#### Use with Maintenance Free Flow Sensor

Non-Contact Ultrasonic Flow Sensor with pulse echo technology requires no routine maintenance.

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### Specifications

Analog Output Functional Mode:	Linear, logarithmic, bi-linear, PID
Analog 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:	MODBUS RS232 & RS485 and two 4-20mA outputs
Communication Capabilities:	Modbus RS232/RS485
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
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, No Power Cord, 2x Strain Relief
Power requirements (Hz):	50 - 60 Hz
Power requirements (Voltage):	100 - 240 VAC
Power supply:	100-240 V AC with 2 cord grips
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
Security Levels:	2 password-protected levels
Sensor Input #1:	Analog Flow
Sensor Input #2:	None
Storage conditions:	-20 °C to 70 °C
Warranty:	2 years
Weight:	1.70 kg

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## What's in the box?

Controller, Mounting Hardware, Basic User Manual