

# SC 200 Digital Controller with 1 digital Sensor Input, 2x mA OUT

**Product #:** LXV404.99.00501  
**GBP Price:** Contact Us  
**Available**

## One controller for the broadest range of sensors

Digital Controller with 1 digital Sensor Input and 2 x 0/4-20 mA OUTPUTS.

The digital 2-channel controller is compatible with our complete range of over 40 digital and analogue sensors and determines 14 parameters. All logged data can be extracted via SD Card slot.

## One controller for 40+ sensors and 14 parameters

The digital 2 channel SC 200 Controller is compatible with our complete range of digital and analogue sensors. There are 40+ sensors to choose - from Ammonium to Turbidity as well as special parameters such as oil in water. The one stop shop controller and its family of sensors monitor processes for all applications in wastewater, drinking and process water. Standardisation on one controller reduces maintenance complexity, time and costs. Plus you only have only one company to call.

## Easy to extract data

To help you analyse and further improve your processes the SC 200 offers a new solution for simple data management. All logged measuring and diagnosis data can be easily extracted in XML format from the controller via the SD Card slot.

## Easy to keep firmware up to date

A new legal regulation is only one of several reasons why instrumentation firmware must always be kept up to date. Aside from legal requirements we invest heavily to add new functionality, new parameters, new sensors etc. SC 200 makes this easy via the SD card slot.

## One controller for all applications

Hach is the recognised leader for water analytical solutions. With the launch of the SC 200, more than 40 different analogue and digital plug & play sensors can now be combined. Due to its rugged and robust metal enclosure, the SC 200 is suitable for industrial applications virtually anywhere.

With the communication options PROFIBUS DP and MODBUS RS232/ RS485, the controller can be easily integrated into digital networks. The modular concept (one slot for a communication card of choice and two slots for input cards) makes the SC 200 stand out in terms of capability and flexibility.

## Many additional versions available on request

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## Specifications

Analogue output functional mode:	Linear, logarithmic, bi-linear, PID
Analogue outputs:	Two (Five with optional expansion module) to 20 mA isolated current outputs, max 550 $\Omega$ , Accuracy: $\pm 0.1\%$ of FS (20mA) at 25 °C, $\pm 0.5\%$ of FS over -20 °C to 60 °C range
	Operational Mode: measurement or calculated value
Communication:	Standard (2x 4-20 mA outputs)
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
Display resolution:	240 x 160 pixels
Display size:	48 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 waterproof 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:	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 requirements (Hz):	50 - 60 Hz
Power requirements (Voltage):	100 - 240 V AC
Power supply:	Without power cord
Region:	EU
Relay functions:	Alarm, Timer/Scheduler, Feeder Control, Pulse Width Modulation, Frequency, System Alarm
Relay: Operational mode:	Primary or secondary measurement, calculated value (dual channel only) or timer/scheduler
Relays:	Four electromechanical SPDT (Form C) contacts, 1200 W, 5 A
Security levels:	2 password-protected levels
Sensor input:	None
Storage conditions:	-20 °C - 70 °C
Warranty:	2 years
Weight:	1.70 kg