



Be Right™



SC1000 Multi-parameter Universal Controller Display Module (without GSM/GPRS)

| | |
|-------------------|------------------------|
| Product #: | LXV402.99.00002 |
| SGD Price: | Contact Hach |
| Available | |

The only controller needed for all of your water quality measurements.

The Hach SC1000 Multi-parameter Universal Controller is a state-of-the-art modular transmitter system. The SC1000 consists of a Display Module and at least one Probe Module. Probe Modules for the SC1000 can be networked together to accommodate up to 32 digital sensors or analyzers. The SC1000 Display Module is intuitive, with an easy to use interface and large color touch-screen display that can be used for any number of parameters. One Display Module controls one or more Probe Modules connected by a digital network. The Display Module is fully portable, and can be disconnected and moved anywhere within the network. The Hach SC1000 Display Module is available with GSM/GPRS, Ethernet, and TCP/IP capability.

More Confidence in Your Instrument's Performance

Available exclusively on Hach instruments, Prognosis predictive diagnostics uses innovative diagnostic software to read multiple inputs from your instrument and alert you to the instrument's overall performance and upcoming maintenance. An easy-to-read dashboard provides instant indication of measurement reliability and service requirements. Process control has never been easier.

Plug and Play Operation

There's no complicated wiring or set up procedures with the SC1000 controller. Plug any Hach digital sensor into a Probe Module and it's ready for use. No special ordering or software configuration is needed.

Communication Options to Fit Any Application Need

The Hach SC1000 controller features state-of-the art Modbus TCP/IP communications protocol for seamless integration into a network of devices that support TCP/IP sockets. Use a standard Ethernet cable or connect wirelessly using GSM/GPRS to communicate with your SCADA, PLC or other network. Available with analog 4-20mA, Modbus 485, Profibus DP, or HART digital communication options.

Expandable and Upgradable

The SC1000 controller can adapt to your needs. Add or change probes without having to change the controller. Plus, with a single Display Module, additional Probe Modules and associated sensors can be added or removed depending on operational needs. Fully upgradable software ensures that this system will not be obsolete. Hach service plans are available.

Specifications

| | |
|--------------------------------|--|
| Alarm: | Low alarm point, low alarm point deadband, high alarm point, high alarm point deadband, off delay, and on delay |
| Analog Output Functional Mode: | PID, high/low phasing, setpoint, deadband, overfeed timer, off delay, on delay |
| Certifications: | North American Certifications: cTUVus to UL 61010A-1 and CSA C22.2 No. 1010.1 FCC ID QIPMC56 / IC ID 267W-MC56 European Certifications: CE per 73/23/EEC and 89/336/EEC TUV-GS to EN 61010-1 EN 61326 Amd's 1 & 2 |

| | |
|-------------------------------|--|
| Communication: | Modbus (RS485): Advanced communications/networking with PLC or SCADA system directly from analyzer |
| | Profibus DP/V1 (certified) |
| | GSM/GPRS Quad-band cellular module (FCC and IC approved, EU and US only) |
| | Ethernet service port, RJ45, 10 MB/s |
| Dimensions (H x W x D): | 200 mm x 230 mm x 50 mm |
| Display: | QVGA, 320 x 240 pixels QVGA, 320 x 240 pixels, 256 colors, touch screen |
| Display Viewing Area: | 111.4 x 83.5 mm |
| Enclosure Rating: | IP65 |
| GSM option: | Without GSM Module |
| Inputs: | Up to 12 analogue 0-20 mA, maximum impedance 500 Ohms per probe module. Additional inputs are available with additional probe modules. |
| Material: | Enclosure: Polycarbonate |
| Material Enclosures: | ABS (display module) and metal (probe module) enclosure with corrosion resistant finish |
| Mounting Configurations: | Surface, panel, and pipe (horizontal and vertical) with optional sun shield |
| Operating temperature range: | -20 - 55 °C / 0 - 95% relative humidity, non-condensing |
| Output: | Up to 12 analog 0/4-20 mA, maximum impedance 500 Ohms per probe module. |
| | Additional analog outputs with additional probe modules. Optional digital communications via Modbus® (RS485) and Profibus® DP/V1. |
| Power requirements (Hz): | 50/60 Hz |
| Power requirements (Voltage): | 120 - 230 V AC |
| Relays: | Up to four SPDT, user-configurable contacts rated 100 to 230 VAC, 5 Amp resistive maximum per probe module. Additional relays are available with additional probe modules. |
| Sample Flow Rate: | 400 - 600 mL/min |
| Sample Inlet Connection: | 1/2" OD Tube Connection |
| Storage conditions: | -20 to 70 °C less than 95% Relative Humidity |
| Warranty: | 1 year |
| Weight: | approx. 1.2 kg (depending on configuration) |

What's in the box?

Display module with communication (as appropriate), basic user module