



SC1000 Probe Module, 4 Sensor Connectors, 4 mA Output, 4 Relays, 24 VDC, without power cord

Product #: LXV400.99.ZR121

AED Price: Contact Hach

A fully modular system consisting of a display module and one or more probe modules.

Probe module for connecting up to 4 SC sensors, with analogue output card with 4 x 0/4 - 20 mA Output and relay card with 4 break contacts (NC). 24 V DC power supply.

A controller system to which SC sensors can be connected and from which they can be controlled consists of a single SC1000 display module and one or more SC1000 probe modules. The system is configured modularly in line with customer-specific requirements and can be expanded at any time with additional measurement stations, sensors, inputs, outputs and bus interfaces.

The probe module is used to connect SC sensors to a measurement station. Several probe modules can be linked to create a SC1000 network.

Performance certified according to MCERTs regulation.

More confidence in your instrument's performance

Available exclusively on the SC1000, Prognosys predictive diagnostics uses patented multivariable diagnostic software to read multiple inputs from your instrument and alert you to the instrument's overall performance. An easy-to-read dashboard provides instant indication of measurement reliability and service requirements.

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 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. The SC1000 also offers up to 12 analogue outputs for measured values and up to 12 analog or digital values from non-digital sensors.

Many additional versions available on request

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

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|------------------|---|
| Alarm: | Low alarm point, low alarm point deadband, high alarm point, high alarm point deadband, off delay, and on delay |
| Analog Output: | One 4-20 mA Output Module |
| Analogue inputs: | No Input Module |

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| Analogue output functional mode: | PID, high/low phasing, setpoint, deadband, overfeed timer, off delay, on delay |
| Analogue outputs: | Up to 12 analog/digital inputs scalable via digital network |
| Certifications: | 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 analyser 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 |
| Communication capabilities: | None |
| Conduit for Relay Connection: | No |
| Dimensions (H x W x D): | 242 mm x 315 mm x 120 mm |
| Display: | ¼ inch VGA graphical backlit TFT color Glas/Glas-Touch screen, high resistance 320 x 240 pixels |
| Display resolution: | 320 x 240 Pixel, 256 colours glass/glass-touch supplied by display module |
| Display viewing area: | 11.4 x 8.6 cm |
| Electrical Certifications: | CE 2006/95/EC, EMV 2004/108/EC, TUV-GS EN61010-1, DIN EN 61327 |
| Enclosure waterproof rating: | IP65 |
| Inputs: | Up to 12 analogue 0-20 mA, maximum impedance 500 Ohms per probe module. Additional inputs are available with additional probe modules. |
| Material: | ABS (display module) and metal (probe module) enclosure with corrosion resistant finish |
| Mounting: | Surface, panel, and pipe (horizontal and vertical) with optional sun shield |
| 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 Options: | 24V DC, no power cord |
| Prognosys: | No |
| Relays: | 4 Relays |
| RTC Module: | No |
| Sensors: | 4, additional sensor inputs available via digital network |
| Storage conditions: | -20 - 70 °C (-4 to 158 °F), 0 to 95% relative humidity, non-condensing |
| Warranty: | 24 months |
| Weight: | Approximately 6.5 kg (depending on configuration) |
| What's included?: | SC1000 Probe Module with installed cards (as requested), Basic User Manual, Without AC Connections or Power Cord |

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