

SC1000 Probe Module, 4 Sensor Connectors, 4 mA Output, 4 Relays, 100-240 VAC, with EU plug

Product #:	**LXV400.99.2R121**
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 1 analogue output card with 4 x 0/4 - 20 mA Output, 1 relay card with 4 break contacts (NC), and EU power cord for 100 - 240 V AC 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

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

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 61326
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 communcations via Modbus® (RS485) and Profibus® DP/V1.
Power Options:	100-240V AC, EU 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, EU Power Cord

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