![HACH Be Right™ logo]

SC1000 Probe Module, 6 Sensor Connectors, Modbus 485, 100-240 VAC with Conduits

Product #:	**LXV400.99.1A082**
ZAR Price:	Contact Hach
Ships within 1 week	

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

The Hach SC1000 Multi-parameter Universal Controller is a state-of-the-art modular controller system. Use it directly with up to 8 sensors or network several together to accommodate many more sensors and parameters.

The SC1000 consists of a Display Module and one or more Probe Modules. 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 several Probe Modules connected by a digital network. The Display Module is fully portable, andcan be disconnected and moved anywhere within the network. The Display Module is also available with GSM/GPRS, ethernet and TCP/IP capability. Each SC1000 Probe Module provides power to the system and can accept up to 8 digital sensors/expansion boards. Probe Modules can be networked together to accommodate up to 32 digital sensors/expansion boards attached to the same network.

More confidence in your instrument's performance
Available exclusively on the SC1000 controller, Prognosys predictive diagnostics uses innovative 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.

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 Inputs:	No Input Module
Analog Output:	No Output Module
Analogue Output Functional Mode:	PID, high/low phasing, setpoint, deadband, overfeed timer, off delay, on delay

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 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
Communication Capabilities:	Modbus 485
Conduit for Relay Connection:	Yes
Dimensions (H x W x D):	150 mm x 315 mm x 250 mm
Display:	¼ inch VGA graphical backlit TFT colour glass/glass touchscreen, high resistance 320 x 240 pixels
Display Viewing Area:	11.4 x 8.6 cm
Enclosure 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 Enclosures:	ABS (display module) and metal (probe module) enclosure with corrosion resistant finish
Mounting:	Surface, panel, and pipe (horizontal and vertical) with optional sun shield
Operating temperature range:	-20 - 55 °C / 0 - 95% relative humidity, non-condensing
Output Opportunities:	Up to 12 analogue 0/4-20 mA, maximum impedance 500 Ohms per probe module.
	Additional analogue outputs with additional probe modules. Optional digital communcations via Modbus (RS485) and Profibus DP/V1.
Power Options:	100 - 240 VAC, no power cord, with conduit
Prognosys:	No
Relays:	No Relay
RTC Module:	No
Sensors:	6
Storage conditions:	-20 - 70 °C / 0 - 95% relative humidity, non-condensing
Warranty:	12 months
Weight:	Approximately 6.5 kg (depending on configuration)
What's included?:	SC1000 Probe Module with installed cards (as requested), Basic User Manual

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