SC4200c Claros Connector

Enhance your controller with remote accessibility

Connect your existing Hach SC200 or SC1000* for remote access to online systems data anytime, anywhere.

Ensure Instrument Accuracy

Step-by-step instructions on any connected device help ensure operators perform maintenance correctly, simplifying training, minimizing downtime, and assuring accurate instrument performance.

Remote Monitoring

Capture 24/7 oversight of your plant and process with continual remote access to your measurements and instrumentation.

Condition-based Maintenance

Predictive diagnostic software constantly monitors your instruments' health, allowing you to optimize your maintenance schedule and prioritize according to true need.
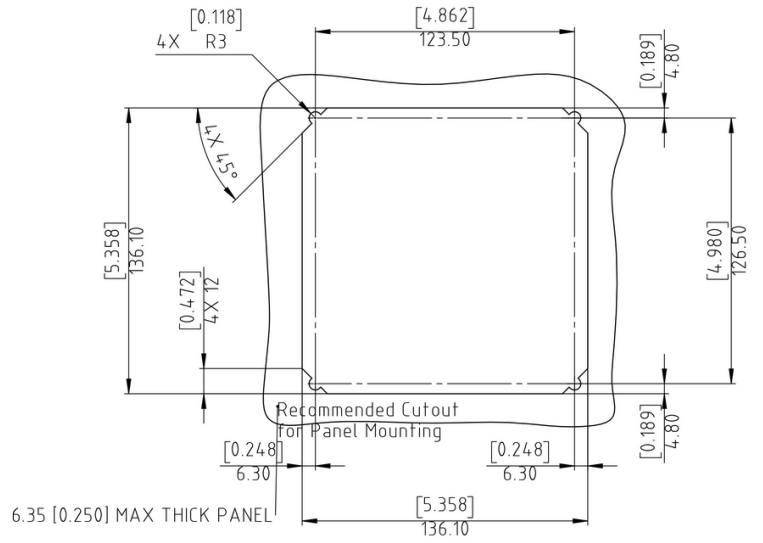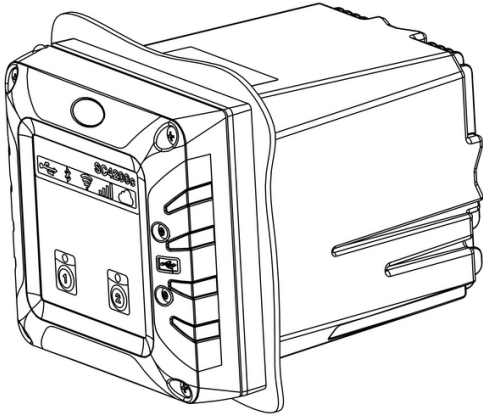
Claros Connector for SC1000 available Q4 2020

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Technical Data*

Description	Microporessor-controlled and menu-driven gateway that connects to SC200 or SC1000	**USB Port**	Used for data download and software upload. The controller records approximately 20,000 data points for each connected sensor.
Dimensions	½ DIN - 144 x 144 x 192 mm (5.7 x 5.7 x 7.6 in.)	**Compliance certifications**	CE approved (with all sensor types). Listed for use in general locations to UL and CSA safety standards by ETL (with all sensor types).
Weight	1.7 kg (controller only, w/o modules)		
Enclosure waterproof rating	NEMA 4X/IP66 metal enclosure with a corrosion-resistant finish		Certain AC mains powered models are listed for use in general safety locations to UL and CSA safety standards by Underwriters Laboratories (with all sensor types).
Operating temperature range	LAN version: -20 - 60 °C Cellular version: -20 - 55 °C		
Storage conditions	-20 - 70 °C, 0 - 95% relative humidity, non-condensing		
Altitude	2000 m maximum	**Warranty**	2 years
Installation category	Category II	**Compatible network technologies**	GSM 3G/4G (e.g. AT&T, T-Mobile, Rogers, Vodafone etc.)
Pollution degree	2		
Protection class	I, connected to protective earth		External CDMA (e.g. Verizon)
Power requirements (Voltage)	100 - 240 V AC	**Compatible instruments**	Ammonium: Amtax sc, AN-ISE sc, A-ISE sc
Power requirements (Hz)	50/60 Hz		Nitrate: Nitratax sc, N-ISE sc, Nitratax clear/eco/plus sc
Measurements	One connection to SC controller		Phosphate: Phosphax sc, Phosphax sc LR
Relays	High voltage: Two relays (SPDT) Maximum switching voltage: 250 VAC Maximum switching current: 5 A (resistive only load) Maximum switching power: 1250 VA, 125 W (resistive only load) Wire gauge: 0.75 to 2.5 mm^2 (18 to 12 AWG)		Organics: Uvas sc
			pH/ORP: pHD sc, 1200-S sc, 8362sc
			Conductivity: 3700sc, 3798-S sc, 3400sc
	Low voltage: Four relays on each low voltage relay module		Ozone: 9185sc
			Dissolved Oxygen: LDO 2 sc
Communication capabilities	Profibus DPV1 card		Chlorine: CL10sc, CL17sc, 9184sc
			Chlorine dioxide: 9187sc
Network connectivity	LAN version: Two Ethernet connectors (10/100 Mbps), switch function, M12 female D-coding connector.		Suspended Solids: Solitax sc, TSS sc
			Sludge Level: Sonatax sc
	Cellular version: SIM card holder (3G/4G).		Turbidity: TU5300sc/TU5400sc, Ultraturb sc, SS7 sc
	The type of connection is dependent on controller configuration.		

Subject to change without notice.

Dimensions

Panel mounting dimensions

[0.118]
4X R3

[4.862]
123.50

[0.189]
4.80

4X 45°

[5.358]
136.10

[0.472]
4X 12

[4.980]
126.50

Recommended Cutout
for Panel Mounting

6.35 [0.250] MAX THICK PANEL

[0.248]
6.30

[0.248]
6.30

[0.189]
4.80

[5.358]
136.10

Top and bottom views

[5.634]
143.10

130°

[6.256]
158.90

Door Opening Details

[1.00]
25.50

[0.654]
4X 16.60

[0.843]
5X 21.40

[7.579]
192.50

[1.063]
27

[1.319]
33.5

[1.358]
34.50

[0.531]
13.50

[1.575]
40

Designed to Accommodate
3/4" to 2-1/2" Vertical / Horisontal Pipe
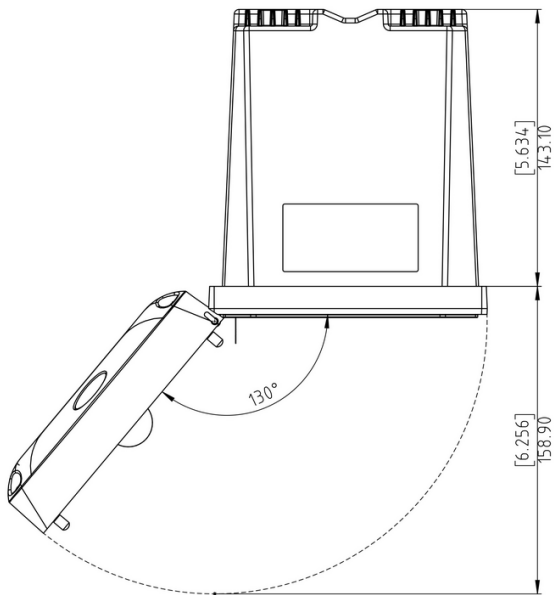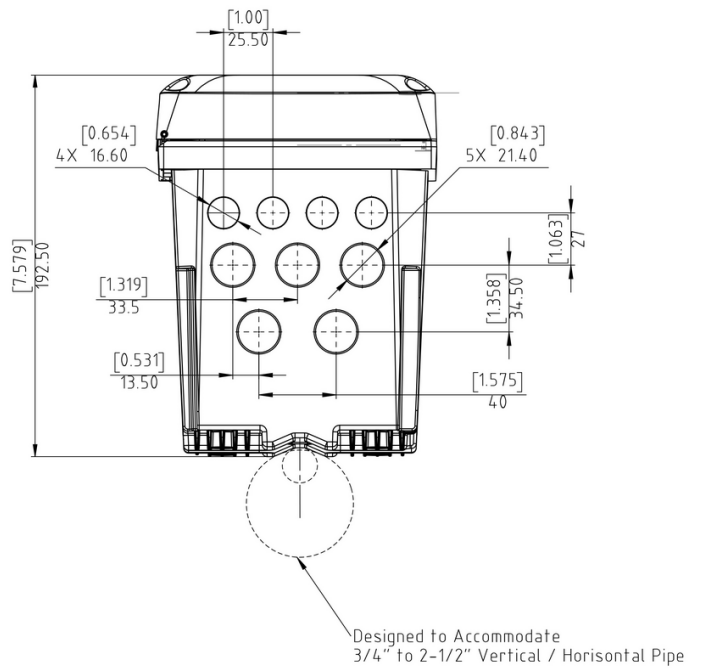
Order Information

Claros Connector

LXV524.99.100A0   SC4200c Claros Connector, LAN, with plug

LXV524.99.110A0   SC4200c Claros Connector, 3G/4G AT&T US, with plug

LXV524.99.130A0   SC4200c Claros Connector, 3G/4G Europe, with plug

**LXV524.99.140A0**   SC4200c Claros Connector, External Box for Wi-Fi/Cellular, with plug

Other configurations are available.
Please contact Hach Technical Support or your Hach representative.

Accessories

LXZ524.99.00046   Remote Service Connector for SC200

LXZ524.99.00043   Remote Service Connector for SC1000*

LXZ524.99.00004   UV Protection Screen

LXZ524.99.00033   Sunroof Visor

LXZ524.99.00037   Sunroof

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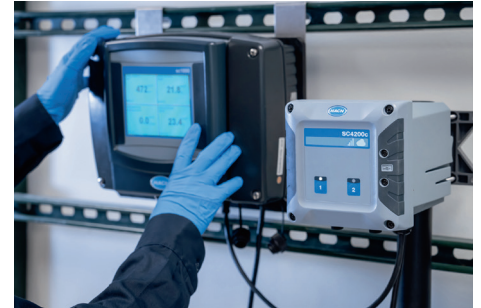
Enable the Benefits of Smart Monitoring

This instrument connects to Claros, Hach's innovative Water Intelligence System. Claros allows you to seamlessly connect and manage instruments, data, and process – anywhere, anytime. The result is greater confidence in your data and improved efficiencies in your operations. To unlock the full potential of Claros, insist on Claros Enabled instruments.

Hach Service Protects Your Investment

With Hach Service, you have a global partner who understands your needs and cares about delivering timely, high-quality service you can trust. Our Service Team brings unique expertise to help you maximise instrument uptime, ensure data integrity, maintain operational stability, and reduce compliance risk.

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