

PRODUCT INFORMATION

PROCESS ANALYSIS
ELECTROCHEMISTRY



Contacting conductivity sensor for pure medium: 3400 sc family

- **Large measuring range**
- **High precision**
- **Wide application range**
- **Stainless steel design**
- **Versatile mounting styles**
- **Can be combined as required with other SC probes**

High quality probes

The high quality special steel or graphite probes of the 3400 sc family are available with three different cell constants, namely 0.01 cm^{-1} , 0.1 cm^{-1} and 1 cm^{-1} . They cover a wide measuring range from $0.01\text{ }\mu\text{S/cm}$ to 2 mS/cm . The specific cell constant of each probe is determined in conformity with ISO 7888/ ASTM D 1125 and entered in the SC controller when it is first taken into operation (HACH LANGE DRY-CAL* method). The objective is to guarantee maximum measurement accuracy.

Versatile applications

Thanks to the wide range of 3400 sc models available, the applications spectrum extends from drinking water to ultrapure water at high temperatures and pressures. Different fitting systems enable measurements to be carried out in pipes and bypasses. Moreover, a sterilizable FDA-approved probe with a Tri Clamp mounting kit is available for the food and pharmaceutical industry. Thanks to the quick disconnect plug, together with digital plug-and-play operation, the probes can be flexibly and simply connected to the SC controllers.



LANGE 

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Technical data

	3410 sc	3411 sc	3412 sc	3415 sc	3416 sc	3417 sc	3494 sc*
Temperature max.	125°C			150°C			150°C
Pressure max.	10 bar			25 bar			25 bar
Cell constant	0.01 cm ⁻¹	0.1 cm ⁻¹	1 cm ⁻¹	0.01 cm ⁻¹	0.1 cm ⁻¹	1 cm ⁻¹	0.01 cm ⁻¹
Measuring range	0.01-20 µS/cm	0.1-200 µS/cm	1-2,000 µS/cm	0.01-20 µS/cm	0.1-200 µS/cm	1-2,000 µS/cm	0.01-20 µS/cm
Materials							
- sensor head	Polyester	Polyester	Polyester	Stainless steel	Stainless steel	Stainless steel	Stainless steel
- sensor body	Stainless steel	Stainless steel	Graphite	Stainless steel	Stainless steel	Graphite	Stainless steel
Ports	3/4" NPT			3/4" NPT			Tri Clamp

* FDA approved

Ordering information

DESCRIPTION	ART. NO.
3410 sc sensor	D3410
3411 sc sensor	D3411
3412 sc sensor	D3412
3415 sc sensor	D3415
3416 sc sensor	D3416
3417 sc sensor	D3417
3494 sc* sensor	D3494
SPARE PARTS AND ACCESSORIES	
Digital extension cable	
- with 5 m	LZX848
- with 10 m	LZX849
- with 15 m	LZX850
- with 20 m	LZX851
- with 30 m	LZX852
- with 50 m	LZX853
Conductivity standard, 1l with 100-1,000 µS/cm (Please specify the desired conductivity value when placing your order)	25M3A2000-119
SC 100 controller	LXV401
SC 1000 controller	LXV400 + LXV402

* FDA approved

HACH LANGE services

Orders, information and
consultation without delay:
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Support on-site by expert sales
team.



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