

PRODUCT INFORMATION

PROCESS ANALYSIS
ELECTROCHEMISTRY



pHD-S sc: digital differential electrode for pH and redox

- **Longer service life**
- **24-month phased warranty***
- **Plug and play with SC controllers**

New type of design for longer service life

Due to the closed design, the reference system of the pHD-S sc electrode does not come into contact with the fluid that is being measured. This means that no electrode poisoning can occur. As a result, H₂S in the wastewater cannot attack the electrode. The much less soil-sensitive salt bridge reduces the necessary cleaning in comparison with systems fitted with membranes. Dilution of the electrolyte is also prevented.

Time-saving advantages

Whether in municipal or industrial wastewater, drinking or process water, the service life of the pHD-S sc electrode is up to three times longer and thus ensures lower operating costs. The differential electrode needs calibrating and cleaning less often. HACH LANGE gives a 24-month phased warranty* on all pHD sc probes.

Technical data

	pHD-S sc pH	pHD-S sc ORP
Measuring method	Differential electrode	
Temperature probe	NTC 300 Ohm	
Measuring range	0 ... 14 pH	-2000 ... 2000 mV
Measuring range temperature	-5 ... 75 °C	
Temperature compensation	Automatic or manual	
Calibration:		
- pH	Menu-driven 1-point or 2-point calibration	
- temperature	1 point calibration	
Max. flow rate	3 m/s	
Max. sample pressure	2 bar overpressure	
Material	Probe body of stainless steel and Ryton (PVDF), salt bridge of Ryton (PVDF), glass and titanium electrode with Viton O-ring	Probe body of stainless steel and Ryton (PVDF), salt bridge of Ryton (PVDF), platinum and titanium electrode with Viton O-ring
Data transmission	Digital to controller SC 100 or SC 1000	
Weight	0.3 kg	
Dimensions	44 mm x 342 mm (diam. x L)	
Probe cable	10 m PUR	

Order information

pHD-S sc pH	LXV427.99.10001
pHD-S sc ORP	LXV427.99.20001
Tank rim holder for probes (1")	LZX914.99.xx200
SPARE PARTS AND ACCESSORIES	
pHD-S sc salt bridge	SB-R1SV
Reference solution (500 ml)	25M1A1025-115

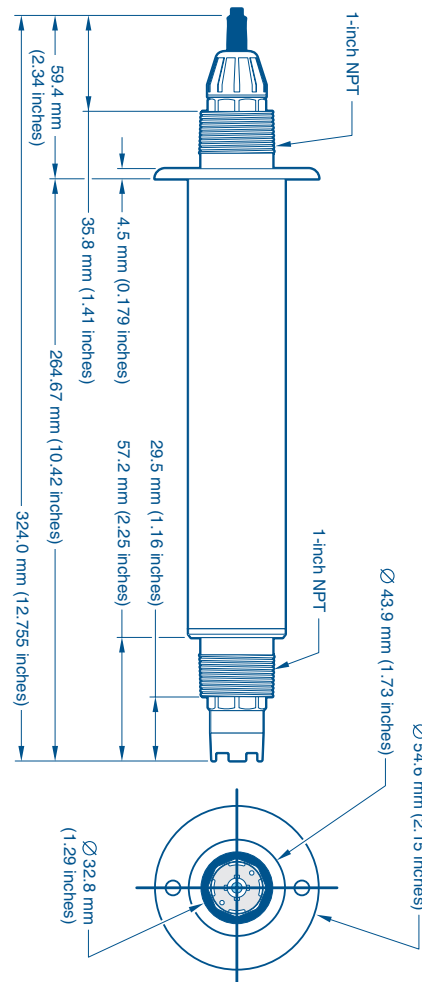
HACH LANGE Services

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Support on-site by expert sales team
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***24-month phased guarantee**

In the event of an electrode defect, HACH LANGE guarantees:

- **Free replacement** within the first 12 months from date of purchase, provided the electrode has been properly used and maintained.
- **Unconditional replacement at 50 %** of list price during the first 24 months from date of purchase.

DOC0653.52.03255.Nov04

