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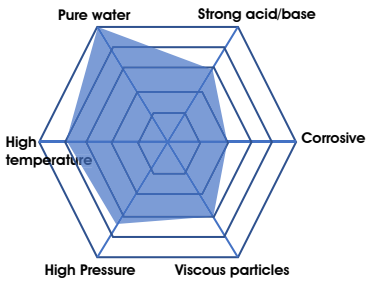
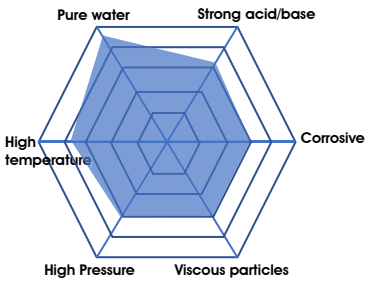
pH ● ORP ○ Ref ● °C ○ Digital ○

CS1550 CS1551



CS1550 Performance Chart



CS1551 Performance Chart

CS1550 pH Sensor

Applications:

Low conductivity water: Pure water, Tap water

Specifications	
PH range	0~13
Zero point (PH)	7.00 ± 0.1
Operation temp.	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
pH bulb	Low impedance blue
Resistance	<150 MΩ
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Single
Liquid Junction	Circular porosity ceramic
Temp. sensor	None (optional)
Connector	S8
Thread	PG13.5
Cable Length	Coaxial cable 1m (extendable)
Cable termination	Terminal (Terminal or BNC)

CS1551 pH Sensor

High-durability application for:

Low conductivity water: Pure water, Tap water

Specifications	
PH range	0~13
Zero point (PH)	7.00 ± 0.1
Operation temp.	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
pH bulb	Low impedance blue
Resistance	<150 MΩ
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Supplement electrolyte bank	Yes
Junction	Double
Liquid Junction	Circular porosity ceramic
Temp. sensor	None (optional)
Connector	S8
Thread	PG13.5
Cable Length	Coaxial cable 1m (extendable)
Cable termination	Terminal (Terminal or BNC)

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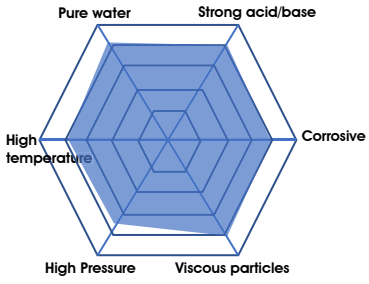

CS1554 Performance Chart

Applications:
process/food and beverage /tap water/sewage

CS1554 pH Sensor

Specifications	
PH range	0~13
Zero point (PH)	7.00 ± 0.1
Operation temp.	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
pH bulb	Low impedance blue
Resistance	<150 MΩ
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Double
Liquid Junction	Circular porosity ceramic
Temp. sensor	None (optional)
Connector	S8
Thread	PG13.5
Cable Length	Coaxial cable 1m (extendable)
Cable termination	Terminal (Terminal or BNC)

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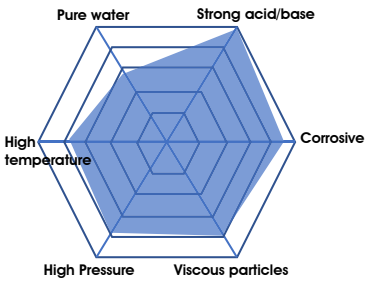
pH ● ORP ○ Ref ● °C ○ Digital ○



CS1555 Performance Chart

Applications: chemical processes/ strong acids and bases

CS1555 pH Sensor

Specifications	
PH range	0~13
Zero point (PH)	7.00 ± 0.1
Operation temp.	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
pH bulb	High resistance white foam
Resistance	＜350 MΩ
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Supplement electrolyte bank	Yes
Junction	Double
Liquid Junction	Circular porosity ceramic
Temp. sensor	None (optional)
Connector	S8
Thread	PG13.5
Cable Length	Coaxial cable 1m (extendable)
Cable termination	Terminal (Terminal or BNC)

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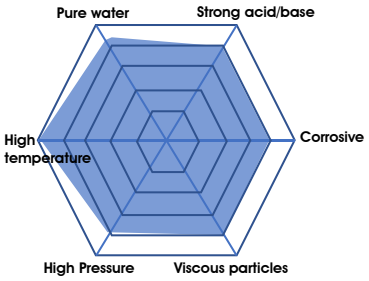
pH ● ORP ○ Ref ● °C ○ Digital ○



CS1556 Performance Chart

Fermentation/sterilization at 135 ℃

Applications:
fermentation tanks, biotechnology Pharmaceutical industry, food and beverage technology, starch slurry, etc

CS1556 pH Sensor

Specifications	
PH range	0~13
Zero point (PH)	7.00 ± 0.1
Operation temp.	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Shell material	Glass
pH bulb	Low impedance blue
Resistance	<150 MΩ
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Double
Liquid Junction	Circular porosity ceramic
Temp. sensor	None (optional)
Connector	S8
Thread	PG13.5
Cable Length	Coaxial cable 1m (extendable)
Cable termination	Terminal (Terminal or BNC)

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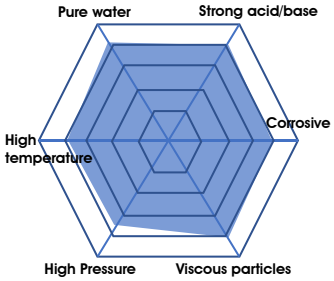
pH ● ORP ○ Ref ● °C ● Digital

In-Line & Submersion

CS1754 pH Sensor

Applicable occasions:
Process/Food and Beverage/Tap Water/Sewage



CS1754 Performance Chart

Specifications	
PH range	0~13
Zero point (PH)	7.00 ± 0.1
Temperature range	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	PPS
pH bulb	Low impedance blue
Resistance	<150 MΩ
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Double
Liquid Junction	Porosity PTFE
Temperature sensor	Pt1000 (or optional Pt100/2.252K/10K/22K/30K)
Connector	M14 (optional)
Dimensions	Φ30 x 160mm
Thread	NPT3/4 "
Cable Length	Coaxial cable 5m
Cable termination	Terminal (Terminal or BNC)

Digital pH Sensor CS1754D

CS1754D is based on the superior performance of CS1754 sensor, which directly outputs digital pH signals that can be directly applied without the need for meters.

twinno 200 Field Communicator

Paired with "twinno 200 Field Communicator", easy setting and calibration.

Specifications	
Resolution	0.01pH / 0.1℃
Accuracy	±0.2pH /±0.3℃
Operation Temp.	0-70 ℃
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	pH,mV,℃

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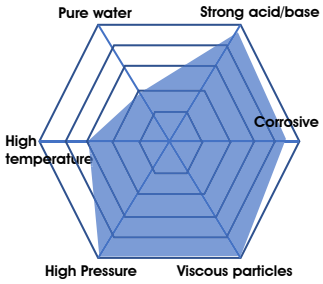
pH ● ORP ○ Ref ● °C ● Digital

In-Line & Submersion

CS1769 pH Sensor

In-Line Max. Pressure Max. to 20 bar (atm)



CS1769 Performance Chart

SNEX Liquid Junction

Applications:
High-Max. Pressure pipelines, viscous liquids, protein environments, high pollutants, petrochemicals, flue gas desulfurization.

Specifications	
PH range	0~14
Zero point (PH)	7.00 ± 0.2
Operation temp.	0 ~ 100 °C
Max. Pressure	20 bar (atm)
Output	mV
Shell material	PPS
pH bulb	High resistance half bubble
Resistance	＜350 MΩ
Reference system	Ag/AgCl/KCl
Liquid Junction	SNEX Solid Liquid Junction (Red)
Temperature sensor	Yes (optional)
Dimensions	Φ30 x 160mm
Thread	G3/4"
Cable Length	Coaxial cable 5m
Cable termination	Terminal (Terminal or BNC)

Digital pH Sensor CS1769D

CS1769D is based on the superior performance of CS1769 sensor, which directly outputs digital pH signals that can be directly applied without the need for meters.

twinno 200 Field Communicator

Paired with "twinno 200 Field Communicator", easy setting and calibration.

Specifications	
Resolution	0.01pH / 0.1℃
Accuracy	±0.2pH /±0.3℃
Operation Temp.	0-70 ℃
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	pH,mV, ℃

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pH ● ORP ○ Ref ● °C ○ Digital ○

CS1548-1312 CS2548-1313

Applicable environment:
Process/Food/Beverage/Tap Water/Sewage

CS1548-1312 pH Sensor

Specifications	
PH range	0~13
Zero point (PH)	7.00 ± 0.1
Operation temp.	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
pH bulb	Low impedance blue
Resistance	<150 MΩ
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Double
Liquid Junction	Circular porosity ceramic
thread	PG13.5 with wire sealing cap
Cable Length	Coaxial cable 5m
cable termination	Terminal (Terminal or BNC)

CS2548-1313 ORP Sensor

Specifications	
ORP range	-2000~2000 mV
Temperature range	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
Redox tip	Platinum band
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Yes
Liquid Junction	Circular porosity ceramic
Thread	PG13.5 with wire sealing cap
Cable Length	Coaxial cable 5m
Cable termination	Terminal (Terminal or BNC)

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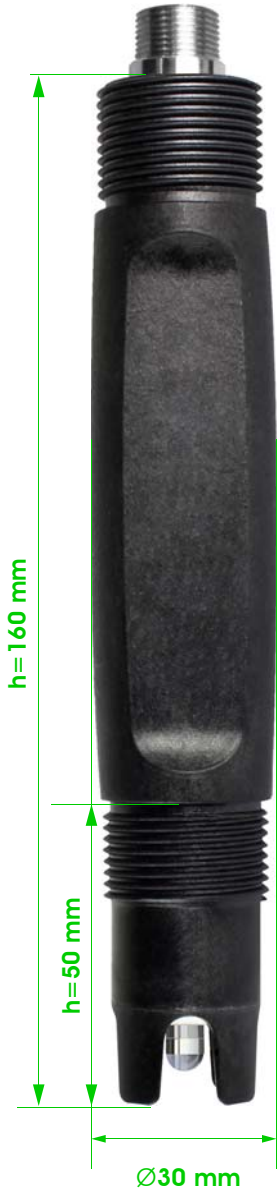
pH ○ ORP ● Ref ● °C ○ Digital ○



Applicable occasions: Process/Food and Beverage /Tap Water/Sewage

CS2754 ORP Sensor

Specifications	
ORP range	-2000~2000 mV
Temperature range	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	PPS
Redox tip	Platinum band
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Double
Liquid Junction	Porosity PTFE
Temperature sensor	None (optional)
Connector	M14 (optional)
Dimensions	Φ30 x 160mm
Thread	NPT3/4 "with wire sealing cap
Cable Length	Coaxial cable 5m
Cable termination	Terminal (Terminal or BNC)

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pH ○ ORP ● Ref ● °C ○ Digital ○

Applicable occasions: Process/Food and Beverage /Tap Water/Sewage

CS2554 ORP Sensor

Specifications	
ORP range	-2000~2000 mV
Temperature range	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
Redox tip	Platinum band
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Double
Liquid Junction	Circular porosity ceramic
Temp. sensor	None (optional)
Connector	S8
Thread	PG13.5
Cable Length	Coaxial cable 1m (extendable)
Cable termination	Terminal (Terminal or BNC)

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pH ● ORP ● Ref ● °C ○ Digital ○

Applicable occasions: Process/Food and Beverage /Tap Water/Sewage

CD1254 pH/ORP Dual-parameter Sensor

Specifications	
PH range	0-14
Zero point (PH)	7.00 ± 0.1
ORP range	-2000~2000 mV
Temperature range	0 ~ 100 °C
Max. Pressure	7 bar (atm)
Output	mV
Shell material	Glass
pH bulb	High resistance sensitive bulb (pH)
Resistance	< 350 MΩ
Redox tip	platinum gold ring (ORP)
Reference system	Ag/AgCl/KCl
Electrolyte	SNEX solid-state polymer
Junction	Double
Liquid Junction	Porosity ceramics
Temp. sensor	None (optional)
Connector	S8
Thread	PG13.5
Cable Length	Coaxial cable 1m (extendable)
Cable termination	Terminal (Terminal or BNC)

Connectors

K2	Default PG13.5	S7 Unthreaded	S8 PG13.5	K8S PG13.5	M14 PG13.5 4 wires	VP(4/6/8) PG13.5

Order selection model	CS1754	-M14	-PT1000	-1M	-Terminal
Selection	standard model	cap	No temp.	Line length	terminal

Temp. optional: Pt1000 / Pt100 / 2.252K / 10K / 22K / 30K Electrode length and cable length can be customized

pH/ORP sensor selection

CS1550	Low conductivity water: Pure water, Tap water	PG13.5
CS1551	Low conductivity water: Pure water, Tap water	PG13.5
CS1554	process/food and beverage/tap water/sewage	PG13.5
CS1548-1312	Process/Food/Beverage/Tap Water/Sewage	PG13.5
CS2548-1313	Process/Food/Beverage/Tap Water/Sewage	PG13.5
CS1555	chemical processes/strong acids and bases	PG13.5
CS1754	Process/Food and Beverage/Tap Water/Sewage	NPT3/4
CS2554	Process/Food and Beverage/Tap Water/Sewage	PG13.5
CS2754	Process/Food and Beverage/Tap Water/Sewage	NPT3/4
CS1556	Fermentation/sterilization at 135 ℃	PG13.5
CS1558		PG13.5
CS1758		NPT3/4
CS1559		PG13.5
CS1759		NPT3/4
CS1769	In-Line Max. Pressure Max. to 20 bar (atm)	G3/4
CD1254	Process/Food and Beverage/Tap Water/Sewage	PG13.5