

Signal output optional
RS485 Modbus RTU
4-20mA
RS485 & 4-20mA



**Applicable environment:
General Purpose**

CS2543 ORP sensor

Specifications

ORP range	-2000~2000 mV
Temperature range	0 ~ 80 °C
Max. Pressure	6 bar (atm)
Output	mV
Shell material	Glass
Redox tip	Platinum band
Reference system	Ag/AgCl/KCl
Electrolyte	CMC gel
Junction	Double
Liquid Junction	Porous ceramic
Dimensions	$\varnothing 12 \times 120 \text{ mm}$
Thread	PG13.5 with wire sealing cap
Cable Length	Coaxial cable 5m
Cable termination	Terminal (Terminal or BNC)

CS2543D is based on the superior performance of CS2543 sensor, which directly outputs digital ORP signals that can be directly applied without the need for meters.

Specifications

Resolution	-2000mV-2000mV
Accuracy	$\pm 1 \text{ mV}$
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, °C



Signal output optional
RS485 Modbus RTU
4-20mA
RS485 & 4-20mA



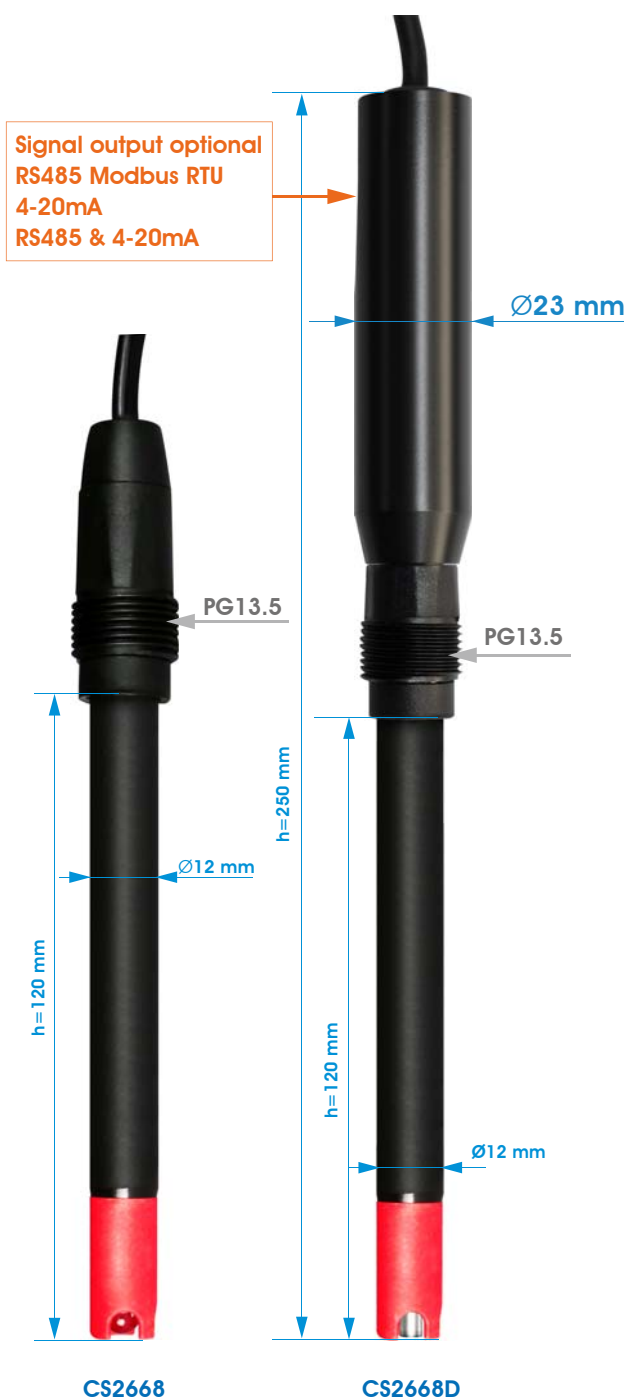
Applicable environment:
Process/Food/Beverage/
Tap Water/Sewage

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)

CS2548D is based on the superior performance of CS2548 sensor, which directly outputs digital ORP signals that can be directly applied without the need for meters.

Specifications	
Resolution	-2000mV-2000mV
Accuracy	±1mV
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, °C



SNEX is for tough situations:
 Sludge, viscous fluids, protein,
 hydrogen sulfide, cyanide, seawater,
 brine, mining, petrochemical process.

CS2668 ORP Sensor

Specifications

ORP range	-2000~2000 mV
Temperature range	0 ~ 80 °C
Max. Pressure	6 bar (atm)
Output	mV
Shell material	PA+GF
Redox tip	Platinum band
Reference system	Ag/AgCl/KCl
Electrolyte	Viscous gel
Junction	Single
Liquid Junction	SNEX Solid Liquid Junction
Temp. sensor	none
Thread	PG13.5
Dimensions	Φ12 x 120mm
Cable Length	Coaxial cable 5m (extendable)
Cable termination	Terminal (Terminal or BNC)

CS2668D is based on the superior performance of CS2668 sensor, which directly outputs digital ORP signals that can be directly applied without the need for meters.

Specifications

Resolution	-2000mV-2000mV
Accuracy	± 1mV
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, °C



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In-Line & Submersion

CS2769 ORP sensor

In-Line Max. Pressure to 20 bar (atm)/300 psig,
with SNEX solid liquid junction.



Performance Chart

SNEX solid liquid junction

SNEX is for tough situations:

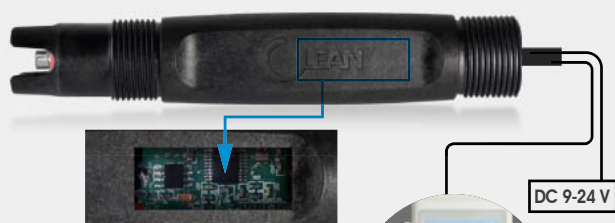
Sludge, viscous fluids, protein, hydrogen sulfide, cyanide, seawater, brine, mining, petrochemical process.

Specifications

ORP range	-2000~2000 mV
Operation temp.	0 ~ 100 °C
Max. Pressure	20 bar (atm)/ 300 psig
Output	mV
Shell material	PPS
Redox tip	Platinum band
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 ORP sensor CS2769D

CS2769D is based on the superior performance of CS2769 sensor, which directly outputs digital ORP 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	-2000mV-2000mV
Accuracy	± 1mV
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, C

In-Line & Submersion

CS2768 ORP sensor

In-Line Max. Pressure to 20 bar (atm)/300 psig,
with SNEX solid liquid junction.



SNEX is for tough situations:

Sludge, viscous fluids, protein, hydrogen sulfide, cyanide, seawater, brine, mining, petrochemical process.

Specifications

ORP range	-2000~2000 mV
Temperature range	0 ~ 80 °C
Max. Pressure	6 bar (atm)
Output	mV
Shell material	PPS
Redox tip	Platinum band
Reference system	Ag/AgCl/KCl
Electrolyte	Viscous gel
Junction	Single
Liquid Junction	SNEX Solid Liquid Junction
Temp. sensor	none
Thread	NPT 3/4"
Dimensions	$\varnothing 30 \times 160\text{mm}$
Cable Length	Coaxial cable 5m (extendable)
Cable termination	Terminal (Terminal or BNC)

Digital ORP sensor CS2768D

CS2768D is based on the superior performance of CS2768 sensor, which directly outputs digital ORP signals that can be directly applied without the need for meters.



twinno 200 Field Communicator

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Specifications

Resolution	-2000mV-2000mV
Accuracy	$\pm 1\text{mV}$
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, °C

In-Line & Submersion

CS2754 ORP sensor

Universal type,
Equipped with a solid polymer electrolyte reference system



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

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)

Digital ORP sensor CS2754D

CS2754D is based on the superior performance of CS2754 sensor, which directly outputs digital ORP 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	-2000mV-2000mV
Accuracy	± 1mV
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, °C

In-Line & Submersion

CS2733 ORP sensor

Economic process ORP sensor with built-in temperature sensor



Applicable environment: General Purpose

Specifications

ORP range	-2000~2000 mV
Temperature range	0 ~ 80 °C
Max. Pressure	6 bar (atm)
Output	mV
Shell material	PP
Redox tip	Platinum band
Reference system	Ag/AgCl/KCl
Electrolyte	Viscous gel
Junction	Double
Liquid Junction	Porous PTFE
Temp. sensor	none
Thread	NPT 3/4"
Dimensions	Φ30 x 160mm
Cable Length	Coaxial cable 5m (extendable)
Cable termination	Terminal (Terminal or BNC)

Digital ORP sensor CS2733D

CS2733D is based on the superior performance of CS2733 sensor, which directly outputs digital ORP 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	-2000mV-2000mV
Accuracy	± 1mV
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, C

In-Line & Submersion

CS2753 ORP sensor

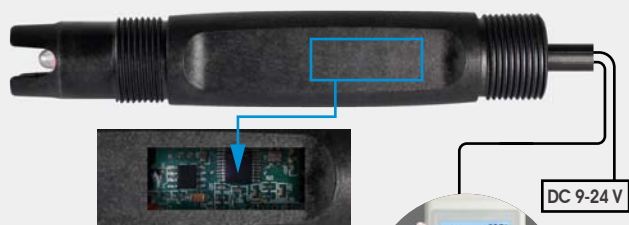


Applicable environment:
Designed for strong oxidative solution

Specifications

ORP range	-2000~2000 mV
Temperature range	0 ~ 80 °C
Max. Pressure	6 bar (atm)
Output	mV
Shell material	PP
Redox tip	Gold band
Reference system	Ag/AgCl/KCl
Electrolyte	Viscous gel
Junction	Double
Liquid Junction	Porous PTFE
Temp. sensor	none
Thread	NPT 3/4"
Dimensions	Φ30 x 160mm
Cable Length	Coaxial cable 5m (extendable)
Cable termination	Terminal (Terminal or BNC)

Digital ORP sensor CS2753D



twinno 200 Field Communicator

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

CS2753D is based on the superior performance of CS2753 sensor, which directly outputs digital ORP signals that can be directly applied without the need for meters.

Specifications

Resolution	-2000mV-2000mV
Accuracy	± 1mV
Operation Temp.	0-70 °C
Interface / Protocol	RS485 Modbus RTU
Power input	DC 9~24V
Output	mV, C