



CS3500-PG13.5 CS3500-NPT3/4 CS3700-NPT3/4 CS3521-NPT3/4

Conductivity Sensor

K=1 1 $\mu\text{S}/\text{cm}$ -20 mS/cm

General purpose

Specification

Conductivity	1 $\mu\text{S}/\text{cm}$ -20 mS/cm
Electrode	2-electrode Conductivity
Cell Constant	K=1
Temp. Comp.	Pt1000/NTC10K optional
Temp. Range	- 10°C - 80 °C
Pressure	0-8 bar
Shell Material	Glass,Platinum
Thread	PG13.5 or NPT3/4" or NPT1/2"
Length	DIMENSION
Cable Length	5m
Connector	Terminals



CS3501-PG13.5 CS3501-NPT1/2 CS3701-NPT3/4

Conductivity Sensor

K=1 1 $\mu\text{S}/\text{cm}$ -20 mS/cm

General purpose

Specification

Conductivity	1 $\mu\text{S}/\text{cm}$ -20 mS/cm
Electrode	2 Electrode Graphite
Cell Constant	K=1
Temp. Comp.	Pt1000/NTC10K optional
Temp. Range	- 10°C - 80 °C
Pressure	0-8 bar
Shell Material	PP+ Graphite
Thread	PG13.5 or NPT3/4" or NPT1/2"
Length	DIMENSION
Cable Length	5m
Connector	Terminals



CS3522-PG13.5 CS3522-NPT1/2 CS3522-NPT3/4 CS3522-G-PG13.5

Conductivity Sensor

K=0.1 0.1 - 200.0 $\mu\text{S}/\text{cm}$

For Pure, Boiler Feed water, Power Plant, Condensate Water

Specification

Conductivity	0.1 $\mu\text{S}/\text{cm}$ - 200.0 $\mu\text{S}/\text{cm}$
Electrode	2-electrode Conductivity
Cell Constant	K=0.1
Temp. Comp.	Pt1000/NTC10K optional
Temp. Range	- 10°C - 80 °C
Pressure	0-8 bar
Shell Material	Titanium or PP+Graphite
Thread	PG13.5 or NPT3/4" or NPT1/2"
Length	DIMENSION
Cable Length	5m
Connector	Terminals



CS3523-PG13.5 CS3523-NPT1/2 CS3523-NPT3/4

Conductivity Sensor

K=0.01 0.00 - 20.00 $\mu\text{S}/\text{cm}$

Ultra-Pure Water

Specification

Conductivity	0.00 $\mu\text{S}/\text{cm}$ - 20.00 $\mu\text{S}/\text{cm}$
Electrode	2-electrode Conductivity
Cell Constant	K=0.01
Temp. Comp.	Pt1000/NTC10K optional
Temp. Range	- 10°C - 80 °C
Pressure	0-8 bar
Shell Material	Titanium
Thread	PG13.5 or NPT3/4" or NPT1/2"
Length	DIMENSION
Cable Length	5m
Connector	Terminals



CS3510-PG13.5 CS3510-NPT1/2 CS3510-NPT3/4 CS3510-G-PG13.5

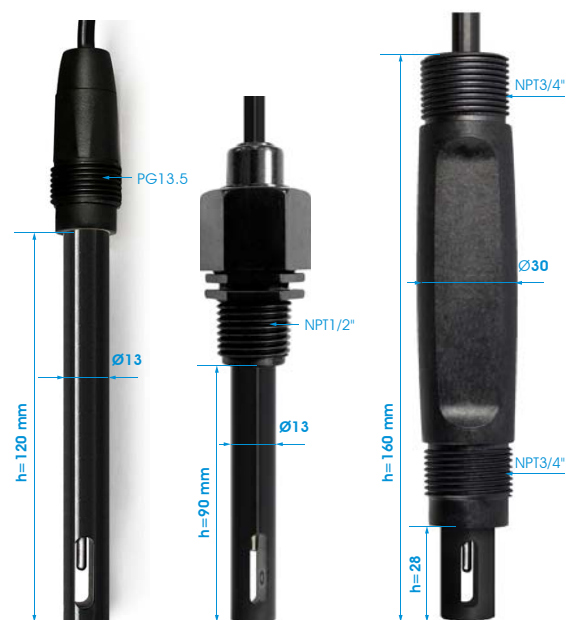
Conductivity Sensor

K=10 10 $\mu\text{S}/\text{cm}$ - 200 mS/cm

Industrial water, Surface Water, Tap Water, General Purpose

Specification

Conductivity	10 $\mu\text{S}/\text{cm}$ - 200.0 mS/cm
Electrode	2-electrode Conductivity
Cell Constant	K=10
Temp. Comp.	Pt1000/NTC10K optional
Temp. Range	- 10°C - 80 °C
Pressure	0-8 bar
Shell Material	Titanium or PP+Graphite
Thread	PG13.5 or NPT3/4" or NPT1/2"
Length	DIMENSION
Cable Length	5m
Connector	Terminals



CS3540-PG13.5 CS3540-NPT1/2 CS3740-NPT3/4

Conductivity Sensor

K=0.45 10 - 500 mS/cm

Suitable for: rivers, water, soil, Boiler water, cement, electroplating, food

Specification

Conductivity	10 $\mu\text{S}/\text{cm}$ - 500 mS/cm
Electrode	4 Electrode Graphite
Cell Constant	K=0.45
Temp. Comp.	Pt1000/NTC10K optional
Temp. Range	- 10°C - 80 °C
Pressure	0-8 bar
Shell Material	Graphite
Thread	PG13.5 or NPT3/4" or NPT1/2"
Length	DIMENSION
Cable Length	5m
Connector	Terminals



Digital Conductivity Sensor

K=1 1 $\mu\text{S}/\text{cm}$ -20 mS/cm

Industrial water, Surface Water, Tap Water, General Purpose

Specification

Conductivity

Measuring Range	1.0 $\mu\text{S}/\text{cm}$ ~ 20.00 mS/cm
Resolution	0.1 $\mu\text{S}/\text{cm}$ ~ 0.01 mS/cm
Cell Constant	K=1.0
Reference Temp.	15.0 ~ 35.0 °C
Temp. Coefficient	0.00 % ~ 10.00 %

TDS

Measuring Range	1.0 ppm ~ 10.00 ppt
Resolution	0.1 ppm ~ 0.01 ppt
TDS factor	0.40 ~ 1.0

Salinity

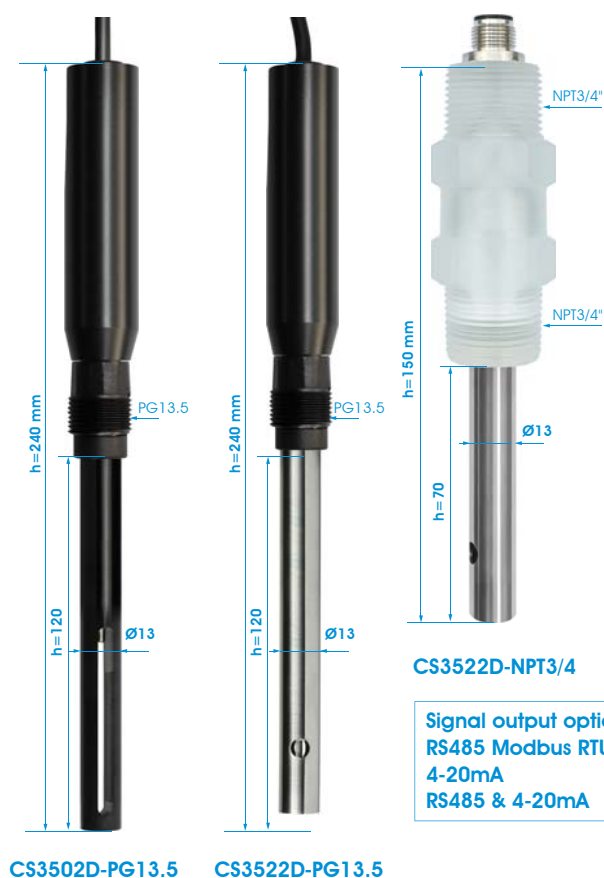
Measuring Range	1.0 mg/L ~ 10.0 g/L
-----------------	---------------------

Temperature

Measuring Range	-10.0 ~ 70.0 °C
Pressure	0 ~ -8 bar
Shell Material	PP+Platinum, PP+Graphite, Glass+titanium+Platinum
Thread	PG13.5 or NPT3/4"
Cell Constant	2-Electrode, K=1.0 cm^{-1}
Cable Length	5m
Connector	Terminals
Output	RS485 Modbus RTU
Power input	DC 9 ~ 24V
IP rated	IP68



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



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

Digital Conductivity Sensor

K=0.1 0.1 - 200.0 $\mu\text{S}/\text{cm}$

**For Pure, Boiler Feed water,
Power Plant, Condensate Water**

Specification

Conductivity

Measuring Range	0.1 $\mu\text{S}/\text{cm}$ - 200.0 $\mu\text{S}/\text{cm}$
Resolution	0.1 $\mu\text{S}/\text{cm}$
Cell Constant	K=0.1
Reference Temp.	15.0 ~ 35.0 °C
Temp. Coefficient	0.00 % ~ 10.00 %

TDS

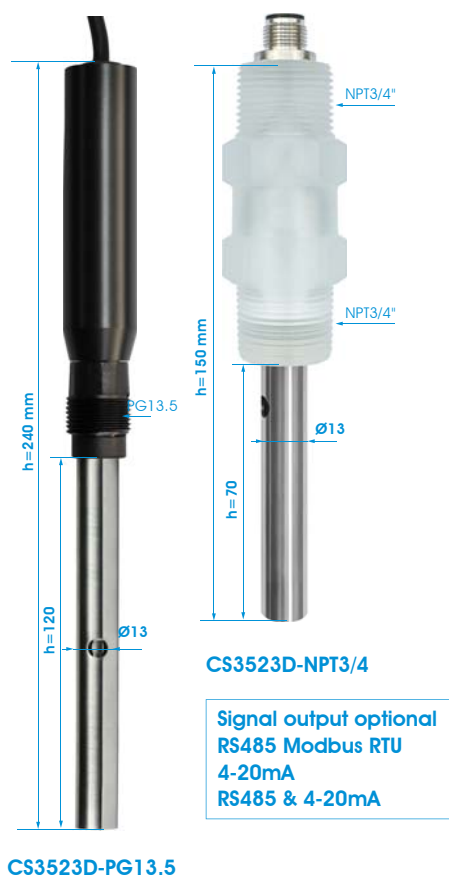
Measuring Range	1.0 ppm ~ 10.00 ppm
Resolution	0.1 ppm
TDS factor	0.40 ~ 1.0

Salinity

Measuring Range	1.0 mg/L ~ 10.0 mg/L
-----------------	----------------------

Temperature

Measuring Range	-10.0 ~ 70.0 °C
Pressure	0 ~ -8 bar
Shell Material	PP+Titanium, PP+Graphite
Thread	PG13.5 or NPT3/4"
Cell Constant	2-Electrode, K=1.0 cm^{-1}
Cable Length	5m
Connector	Terminals
Output	RS485 Modbus RTU
Power input	DC 9~24V
IP rated	IP68



Digital Conductivity Sensor

K=0.01 0.00 - 20.00 $\mu\text{S}/\text{cm}$

Ultra-Pure Water

Specification

Conductivity

Measuring Range	0.00 $\mu\text{S}/\text{cm}$ - 20.00 $\mu\text{S}/\text{cm}$
Resolution	0.01 $\mu\text{S}/\text{cm}$
Cell Constant	K=0.01
Reference Temp.	15.0 ~ 35.0 °C
Temp. Coefficient	0.00 % ~ 10.00 %

TDS

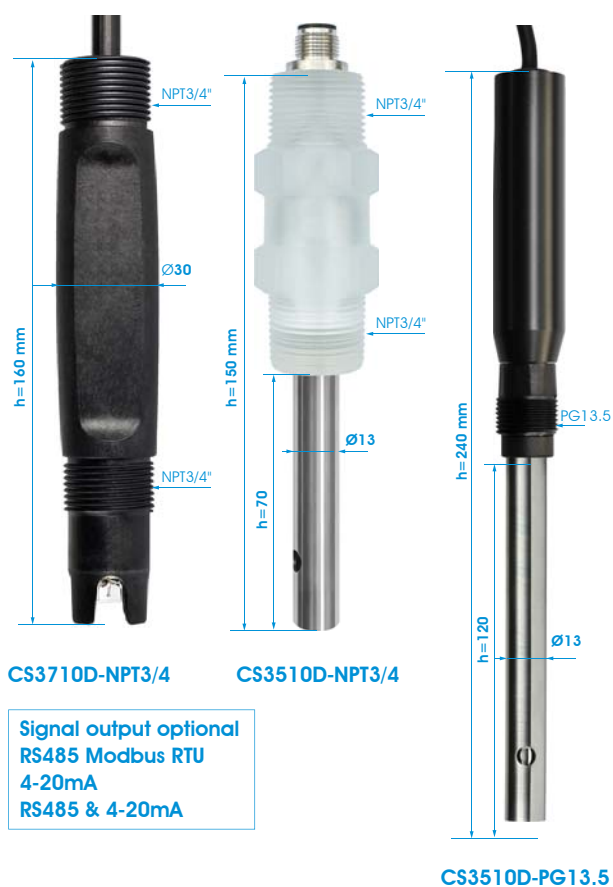
Measuring Range	0 ppm ~ 10.00 ppm
Resolution	0.01 ppm
TDS factor	0.40 ~ 1.0

Salinity

Measuring Range	0 mg/L ~ 10.0 mg/L
-----------------	--------------------

Temperature

Measuring Range	-10.0 ~ 70.0 °C
Pressure	0 ~ -8 bar
Shell Material	PP + Titanium
Thread	PG13.5 or NPT3/4"
Cell Constant	2-Electrode, K=1.0 cm^{-1}
Cable Length	5m
Connector	Terminals
Output	RS485 Modbus RTU
Power input	DC 9~24V
IP rated	IP68



Digital Conductivity Sensor

K=10 20.0 $\mu\text{S}/\text{cm}$ - 200.0 mS/cm

Industrial water, Surface Water,
Tap Water, General Purpose

Specification

Conductivity

Measuring Range	20.0 $\mu\text{S}/\text{cm}$ to 200.0 mS/cm
Resolution	0.1 $\mu\text{S}/\text{cm}$ ~ 0.1 mS/cm
Cell Constant	K=10
Reference Temp.	15.0 ~ 35.0 °C(Default:25)
Temp. Coefficient	0.00%~10.00%(Default:2%)

TDS

Measuring Range	10.0 ppm ~ 100.0 ppt
Resolution	0.1 ppm ~ 0.1 ppt
TDS factor	0.40 ~ 1.0(Default:0.5)

Salinity

Measuring Range	12.0 mg/L ~ 120.0 g/L
Resolution	0.1 mg/L ~ 0.1 g/L
TDS factor	0.20 ~ 0.8(Default:0.6)

Temperature

Measuring Range	-10.0 ~ 70.0 °C
Pressure	0 ~ -8 bar
Shell Material	PP+Platinum, PP+Titanium
Electrode	Glass+Platinum,Titanium
Cell Constant	2-Electrode, K=10 cm^{-1}
Thread	PG13.5 or NPT3/4"
Cable Length	5m
Connector	Terminals
Output	RS485 Modbus RTU
Power input	DC 9~24V
IP rated	IP68



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

Digital Conductivity Sensor

K=0.45 10 - 500 mS/cm

**Suitable for: rivers, water, soil,
Boiler water, cement,
electroplating, food**

Specification

Conductivity	1.0 μ S/cm ~ 500.0 mS/cm
Resolution	0.1 μ S/cm ~ 0.1 mS/cm
Temp. coefficient	0.00 % ~ 10.00 %
TDS	1.0 ppm ~ 250.0 ppt
Resolution	0.1 ppm ~ 0.1 ppt
TDS factor	0.40 ~ 1.0
Salinity	0.0 ~ 500.0 g/L
Resolution	0.1 g/L
Accuracy	$\pm 0.5\%$ FS
Salinity factor	0.2 ~ 0.8 Factory default(0.60)
Electrode	4 Electrode Graphite
Temperature	
Measuring Range	-10.0 ~ 70.0 °C
Pressure	0 ~ -8 bar
Shell Material	PP+Graphite
Thread	PG13.5 or NPT3/4"
Cable Length	5m
Connector	Terminals
Output	RS485 Modbus RTU
Power input	DC 24V
IP rated	IP68

Wiring Instructions

Sensor End	Function Descriptions
Green line	RS-485 communication T/R+ (A)
White line	RS-485 communication T/R- (B)
Red line	9~24VDC power supply
Black line	9~24VDC power supply is negative



CS3652D Conductivity Digital sensor

Can withstand high temperature and high pressure environments
For Pure, Boiler Feed water, Power Plant, Condensate Water

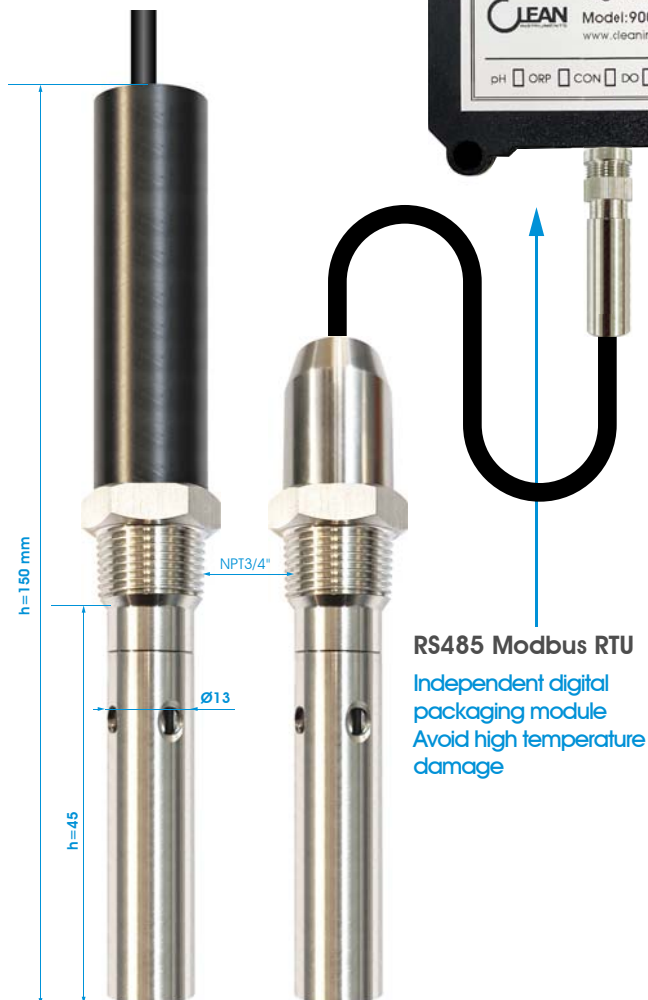
Order number	CS3652D
Cell constant	K=0.1
Conductivity	1.0 $\mu\text{S}/\text{cm}$ ~ 200.0 $\mu\text{S}/\text{cm}$
Resolution	0.1 $\mu\text{S}/\text{cm}$
Temp coefficient	0.00 % ~ 10.00 %
TDS	1.0 ppm ~ 200.0 ppm
Resolution	0.1 ppm
TDS factor	0.40 ~ 1.0
Salinity	0.0 ~ 160.0 g/L
Resolution	0.1 g/L
Accuracy	$\pm 0.5\%$ FS
Salinity factor	0.2 ~ 0.8 Factory default(0.60)
Electrode	2-electrode titanium tube
Temperature	
Measuring Range	-5 ~ 135 °C
Pressure	0 ~ 10 bar(@25 °C)

Size	
Shell Material	316 stainless steel
Thread	NPT1/2
Cable Length	5m
Connector	Terminals
Interface / Protocol	RS485 Modbus RTU
Power input	DC 24V
IP rated	IP68
Output	Conductivity/TDS/Salinity, Temp

Wiring Instructions

Sensor End	Function Descriptions
Green line	RS-485 communication T/R+ (A)
White line	RS-485 communication T/R- (B)
Red line	9~24VDC power supply
Black line	9~24VDC power supply is negative

Simple high-pressure environment, where digital modules are encapsulated



CS3653D Conductivity Digital sensor

Can withstand high temperature
and high pressure environments
Ultra-Pure Water

Order number	CS3653D
Cell constant	K=0.01
Conductivity	0.00~20.00uS/cm
Resolution	0.01 μ S/cm
Temp coefficient	0.00 %~10.00 %
TDS	0.00~10.00ppm
Resolution	0.01 ppm
TDS factor	0.40~ 1.0
Electrode	2-electrode titanium tube
Temperature	
Measuring Range	-5~135 °C
Pressure	0~10 bar(@25 °C)
Size	
Shell Material	316 stainless steel
Thread	NPT1/2
Cable Length	5m
Connector	Terminals
Interface / Protocol	RS485 Modbus RTU
Power input	DC 24V
IP rated	IP68
Output	Conductivity/TDS,Temp

Wiring Instructions

Sensor End	Function Descriptions
Green line	RS-485 communication T/R+ (A)
White line	RS-485 communication T/R- (B)
Red line	9~24VDC power supply
Black line	9~24VDC power supply is negative