

SUNTEX Online Conductivity/Resistivity Sensor Guide

201407

Type	4 Electrode Cell	2 Electrode Cell				4 Electrode Cell		
Function	Conductivity Cell	Resistivity Cell	Resistivity Cell	Resistivity Cell	Resistivity Cell	Conductivity Cell	Conductivity Cell	Conductivity Cell
Order No.	8-244-10	8-11-3	8-221	8-222	8-223	8-241	8-241-01	8-242
Picture								
Typical application	Process	Pure water	Ultra pure water	Pure water	R.O. water	Process Wastewater	HF resistant Process Wastewater	High Temperature Process
Fitting Connection	1/2" NPT	1/2" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Insertion Length	approx. 82mm	approx. 98mm	63mm	63mm	48mm	40mm	40mm	40mm
Body Material	Epoxy resin	SS316L	CPVC	CPVC	CPVC	CPVC	CPVC	PVDF
Range (μS/cm)	20μS/cm~500mS/cm	0.05~100.0μs/cm	0.05~20uS/cm	0.05~100.0μs/cm	0.1~200.0μs/cm	10.00μs~500.0ms/cm	10.00μs~500.0ms/cm	10.00μs~500.0ms/cm
(MΩ.cm)	–	1.0~20.0MΩ.cm	0.00~20.00MΩ.cm	0.00~18.00MΩ.cm	0.00~10.00MΩ.cm	–	–	–
Cell Constant	0.3	0.05	0.01	0.05	0.1	0.5	0.5	0.5
Electrode Material	Graphite	SS316L	Titanium	Titanium	Titanium	Titanium, CPVC	Monel, CPVC	Titanium, PVDF
Pressure	7 bar@25°C	7 bar@25°C	7 bar@25°C	7 bar@25°C	7 bar@25°C	7 bar@25°C	7 bar@25°C	7 bar@25°C
Working Temp.	0~70°C	0~45°C	0~70°C	0~70°C	0~70°C	0~70°C	0~70°C	0~120°C
Temp. Compensation	NTC-30K	NTC-30K	NTC-30K	NTC-30K	NTC-30K	NTC-30K	NTC-30K	NTC-30K
Cable info.	8-244-10 (10m cable)	8-11-3 (10m cable)	without cable	without cable	without cable	without cable	without cable	without cable
		8-11-4 (20m cable)	Selective Cable length for 5m, 10m, 20m, 30m					