

Product Selection Guide

Part#	Measurement Parameters	Range	Accuracy (Typ.)	LCD	Readings (Total)	Sample Rate	Sensor Location	Battery Life (Years, Typ.)
SSN-10	Temperature	-35 to 80°C (-31 to 176°F)	±0.5°C (±0.9°F)	NO	32000	2s to 12h	Internal	3
SSN-11	Temperature	-35 to 80°C (-31 to 176°F)	±0.5°C (±0.9°F)	YES	32000	2s to 12h	Internal	3
SSN-10E	Temperature	-40 to 125°C (-40 to 257°F)	±0.5°C (±0.9°F)	NO	32000	2s to 12h	External	3
SSN-11E	Temperature	-40 to 125°C (-40 to 257°F)	±0.5°C (±0.9°F)	YES	32000	2s to 12h	External	3
SSN-12	Temperature	-35 to 80°C (-31 to 176°F)	±0.2°C (±0.4°F)	NO	32000	2s to 12h	Internal	3
SSN-13	Temperature	-35 to 80°C (-31 to 176°F)	±0.2°C (±0.4°F)	YES	32000	2s to 12h	Internal	3
SSN-12E	Temperature	-40 to 125°C (-40 to 257°F)	±0.2°C (±0.4°F)	NO	32000	2s to 12h	External	3
SSN-13E	Temperature	-40 to 125°C (-40 to 257°F)	±0.2°C (±0.4°F)	YES	32000	2s to 12h	External	3
SSN-20	Temperature Relative Humidity	-35 to 80°C (-31 to 176°F) 0 to 100%RH	±0.3°C (±0.5°F) ±3%RH	NO	32000	10s to 12h	Internal	3
SSN-22	Temperature Relative Humidity	-35 to 80°C (-31 to 176°F) 0 to 100%RH	±0.3°C (±0.5°F) ±3%RH	YES	32000	10s to 12h	Internal	3
SSN-20E	Temperature Relative Humidity	-40 to 100°C (-40 to 212°F) 0 to 100%RH	±0.3°C (±0.5°F) ±3%RH	NO	32000	10s to 12h	External	3
SSN-22E	Temperature Relative Humidity	-40 to 100°C (-40 to 212°F) 0 to 100%RH	±0.3°C (±0.5°F) ±3%RH	YES	32000	10s to 12h	External	3
SSN-21	Temperature Relative Humidity	-35 to 80°C (-31 to 176°F) 0 to 100%RH	±0.2°C (±0.4°F) ±2%RH	NO	32000	10s to 12h	Internal	3
SSN-23	Temperature Relative Humidity	-35 to 80°C (-31 to 176°F) 0 to 100%RH	±0.2°C (±0.4°F) ±2%RH	YES	32000	10s to 12h	Internal	3
SSN-21E	Temperature Relative Humidity	-40 to 100°C (-40 to 212°F) 0 to 100%RH	±0.2°C (±0.4°F) ±2%RH	NO	32000	10s to 12h	External	3
SSN-23E	Temperature Relative Humidity	-40 to 100°C (-40 to 212°F) 0 to 100%RH	±0.2°C (±0.4°F) ±2%RH	YES	32000	10s to 12h	External	3
SSN-30	DC Voltage	0 to 30V (Range can be customized)	±1%	NO	32000	1s to 12h	External	3
SSN-31	DC Voltage	0 to 30V (Range can be customized)	±1%	YES	32000	1s to 12h	External	3
SSN-30S	DC Voltage	0 to 30V (Range can be customized)	±1%	NO	256000	400Hz~12h	External	3
SSN-31S	DC Voltage	0 to 30V (Range can be customized)	±1%	YES	256000	400Hz~12h	External	3
SSN-32	DC Voltage	0 to 30V (Range can be customized)	±0.05%±1count	NO	32000	1s to 12h	External	3
SSN-33	DC Voltage	0 to 30V (Range can be customized)	±0.05%±1count	YES	32000	1s to 12h	External	3
SSN-32S	DC Voltage	0 to 30V (Range can be customized)	±0.05%±1count	NO	256000	400Hz~12h	External	3
SSN-33S	DC Voltage	0 to 30V (Range can be customized)	±0.05%±1count	YES	256000	400Hz~12h	External	3
SSN-40	Current Loop	4 to 20mA (0~20mA can be customized)	±1%±1count	NO	32000	1s to 12h	External	3
SSN-41	Current Loop	4 to 20mA (0~20mA can be customized)	±1%±1count	YES	32000	1s to 12h	External	3
SSN-40S	Current Loop	4 to 20mA (0~20mA can be customized)	±1%±1count	NO	256000	400Hz~12h	External	3
SSN-41S	Current Loop	4 to 20mA (0~20mA can be customized)	±1%±1count	YES	256000	400Hz~12h	External	3
SSN-42	Current Loop	4 to 20mA (0~20mA can be customized)	±0.1%±1count	NO	32000	1s to 12h	External	3
SSN-43	Current Loop	4 to 20mA (0~20mA can be customized)	±0.1%±1count	YES	32000	1s to 12h	External	3
SSN-42S	Current Loop	4 to 20mA (0~20mA can be customized)	±0.1%±1count	NO	256000	400Hz~12h	External	3
SSN-43S	Current Loop	4 to 20mA (0~20mA can be customized)	±0.1%±1count	YES	256000	400Hz~12h	External	3
SSN-50	Carbon Monoxide	0 to 1000 PPM	±6%	NO	32000	10s to 12h	Internal	1
SSN-51	Carbon Monoxide	0 to 1000 PPM	±6%	YES	32000	10s to 12h	Internal	1
SSN-52	Carbon Monoxide	0 to 300 PPM	±4%	NO	32000	10s to 12h	Internal	1
SSN-53	Carbon Monoxide	0 to 300 PPM	±4%	YES	32000	10s to 12h	Internal	1
SSN-60	Thermocouple	-200 to 1370°C (328 to 2498°F)	±0.3%±1°C	NO	32000	1s to 12h	External	1.5
SSN-61	Thermocouple	-200 to 1370°C (328 to 2498°F)	±0.3%±1°C	YES	32000	1s to 12h	External	1.5
SSN-70	Air Pressure Temperature Relative Humidity	300 to 1100 hPa -35 to 80°C (-31 to 176°F) 0 to 100%RH	±1.5hPa ±0.3°C (±0.5°F) ±3%RH	NO	31998	10s to 12h	Internal	2
SSN-71	Air Pressure Temperature Relative Humidity	300 to 1100 hPa -35 to 80°C (-31 to 176°F) 0 to 100%RH	±1.5hPa ±0.3°C (±0.5°F) ±3%RH	YES	31998	10s to 12h	Internal	2
SSN-80	Counter Event State				32000		External	1