



## Data Sheet

Gateway GW001A-PRO	
<b>Physical Network</b>	
Ethernet type	10/100
Ethernet connection	RJ45
Protocol	TCP/IP
IP allocation	DHCP
Ethernet LED	Green link / Yellow traffic
Gateway LED:	
Solid Green	DHCP & Cloud OK
Blinking Green	Open for pairing
Solid Red	No DHCP or Cloud access
Blue	FW update in progress
Blinking Blue	Open for slave pairing
Gateway GW001A-PRO	
<b>Network Communication</b>	
IP allocation	DHCP
Cloud Endpoints	gk.sensorist.com 54.229.68.147* 54.229.203.190*
Ports	Outbound 4321 or Outbound 443
Traffic Direction	Only from inside to outside
Gateway GW001A-PRO	
<b>Physical Specifications</b>	
Model no.	GW001A-PRO
Size	80x80x23 mm
Weight	204 g (inc box, cable, PSU)
PSU	5v / 1A, 110v - 240 v
Storage temperature	-10 to 40 °C
Operating temperature	-10 to 40 °C
LED	Tri-colour
Compliance	Meets EN12830**
Notes	
*	Subject to change
**	Enclosure IP20



### Firmware

#### Gateway:

Can be updated OTA (over the air). First update on initial connect is necessary.

#### Sensor:

Can be updated OTA (over the air). For sensor only recommend if wireless strength is above 25%. First update on initial pairing if necessary.

### Support

Support is available either through either your local Partner or directly with sensorist at [contact@sensorist.com](mailto:contact@sensorist.com)

### About Sensorist ApS

Sensorist® builds and sells connected sensor systems. Our wireless sensors measure temperature and humidity in a wide range of environments and help you to maintain their optimal level.

Our hardware and software is custom designed to be accurate and user-friendly. We are always busy at work, further developing our range of sensor types and improving the usefulness of our software.



## Data Sheet, SNHPD001A-PRO

Sensor SNHPD001A-PRO	Specifications
Outdoor range (LOS)	800 m
Indoor range (typical)	100 m
Max unit	100 (Gateways + sensors)
Sensor SNHPD001A-PRO	Operation
Sensor LED:	
Off	Operational, in sleep
Steady green blinking	Open for pairing, 60 s
Green blink	Transmitting data
Blue	FW update in progress
Button:	
Short press, unpaired	Open for pairing, 60 s
Short press, paired	Send spot measurement
Long press 10 s until red	Sensor reset to default
Compliance	Meets EN12830**
Sensor SNHPD001A-PRO	Physical Specifications
Model no.	SNHPD001A-PRO
Size	99x50x21 mm
Weight	108 g (inc box + batteries)
Storage temperature	-35 to 60 °C
Operation temperature	-10°C to 85°C ±0.4°C -40°C to -10°C ±0.8°C
Operation humidity	0% to 80% < ±3% 80% to 100% < ±5%
Battery Lifetime (15 min)	+1 year
LED	Tri-colour
Probe Port Support	PB002-PRO PBDOOR-PRO PBPT100-PRO PBCO2-PRO PB001A / PB001B
Compliance	
<b>North America</b>	
Frequency Band	915 Mhz band
Certification	FCC, RoHS
<b>Europe</b>	
Frequency Band	868 Mhz band
Certification	CE, RoHS



### Warranty & Recycling

One year warranty applies to all Gateways, PSU, and Sensors. The warranty does not cover batteries of any of the products.

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Sensor SN001A-PRO		Specifications
Outdoor range (LOS)		800 m
Indoor range (typical)		100 m
Max unit		100 (Gateways + sensors)
Sensor SN001A-PRO		Operation
Sensor LED:		
Off		Operational, in sleep
Steady green blinking		Open for pairing, 60 s
Green blink		Transmitting data
Blue		FW update in progress
Button:		
Short press, unpaired		Open for pairing, 60 s
Short press, paired		Send spot measurement
Long press 10 s until red		Sensor reset to default
Compliance		Meets EN12830**
Sensor SN001A-PRO		Physical Specifications
Model no.		SN001A-PRO
Size		99x50x21 mm
Weight		108 g (inc box + batteries)
Storage temperature		-35 to 60 °C
Operation temperature		-35 °C to 60 °C ±0.5 °C
Operation humidity		20 % to 90 % ±10 % (pp)
Battery Lifetime (15 min)		+1 year
LED		Tri-colour
Probe Port Support		PB002-PRO PBDOOR-PRO
		Compliance
<b>North America</b>		
Frequency Band		915 Mhz band
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## Data Sheet, Probes

Temperature Probe	PB001B-PRO
Host sensor	SN001A/SNHPD001A
Connection type	MiniJack
Measurement	Temperature C/F
Measurement range	-30 to 65 °C
FW requirement	1.11
Size	135 x 4 mm (LxD)
Wire length	95 cm
Bottle Probe	PR001A-PRO
Host sensor	SN001A/SNHPD001A
Connection type	MiniJack
Measurement	Temperature C/F
Measurement range	-30 to 65 °C
FW requirement	1.11
Size	135 x 4 mm (w/o cap LxD)
Wire length	95 cm
Water Probe	PB002-PRO
Host sensor	SN001A/SNHPD001A
Connection type	MiniJack
Measurement	Percent %
Measurement range	0-100% wet
FW requirement	1.50
Size	50x24x10 mm (LxWxH)
Wire length	150 cm
Notes	
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## Data Sheet, Probes continued

Co2 Probe	PBCO2-PRO
Host sensor	SNHPD001A
Connection type	MiniJack
Measurement	PPM parts pr million
Measurement range	400 - 2000 ppm
Measurement precision	±50 ppm +/- 3% of reading
Calibration	Auto, must experience fresh air once pr week
FW requirement	> v1.60
Size	135 x 4 mm (LxD)
Wire length	15 cm
Operating temperature	0°C to 50°C
Storage temperature	-30°C to +70°C
Host battery life	Approx. 6 month
PT100/1000 Converter	PBPT100-PRO*
Host sensor	SNHPD001A
Connection type (sensor)	MiniJack
Connection type (pt100)	2, 3 or 4 wire
Connection type (pt1000)	2, 3 or 4 wire
Measurement	Temperature
Measurement range	-200 to +850 °C
Measurement precision	Probe dependant
Door contact Probe	PBDOOR-PRO*
Host sensor	SN001A / SNHPD001A
Connection type (sensor)	MiniJack
Measurement	State
State types	0 or 1 / Closed or Open
State duration	Min. 1 sec.
<b>Notes</b>	
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