

### Neulog Sensor Specifications

No.	No. Cat.	Name	Symbol	Measurement Ranges	Resolution
1	NUL-101	Voltage		± 20 V	0.01V
2	NUL-102	Current		± 2500 mA	10mA
3	NUL-103	Temperature		-35°C a 150°C -31 °F a 238°F	0.1°C 0.1°F
4	NUL-104	Light		0 a 1,000 lux 0 a 6,000 lux 0 a 150,000 lux	1 lux 6 lux 150 lux
5	NUL-105	Oxygen		0 a 25% air) 0 a 100% (dissolve) 0 a 12.5 mg/L (dissolve)	0.1% 0.1% 0.1 mg/L
6	NUL-106	pH		0 – 14	0.1 pH
7	NUL-107	Humidity		0 - 95%	0.1 %
8	NUL-108	Pulse		30 - 240 BPM 0 - 1024 Arbitrary units (for viewing signal shape)	1 BPM
9	NUL-109	Photogate		0/1 Duration pulse Speed Acceleration	+/- 100us
10	NUL-110	Pressure		0 - 7 atm 0 - 100 PSI 0 - 700 kPa 0 - 7 Bar	0.01 atm 0.1 PSI 0.1KPA 0.01 Bar
11	NUL-111	Force		±10 N ±50 N	0.01N 0.01N
12	NUL-112	Sound		40 - 110 dB 0 a 1024 Arbitrary units (for fast measurements)	0.1dB
13	NUL-113	Motion		0.25 - 6m	2mm
14	NUL-114	Magnetic		± 10 mT	0.001mT
15	NUL-115	Conductivity		0-20000 µs/cm 0-18000 mg/L 0-18000 ppm	0-2000 µs/cm - 0.1 µs/cm Over 2000 - 1 µs/cm 0-1000 mg/L - 0.1 mg/L Over 1000 - 1 mg/L 0-1000 ppm - 0.1 ppm Over 1000 - 1 ppm
16	NUL-116	Spirometer		± 10 L/s	0.02L
17	NUL-117	GSR		0-65279 Arbitrary units 0-10 µS	10nS
18	NUL-118	EKG		0-3 mV	
19	NUL-119	Colorimeter		R.G.B.	0.01 %
20	NUL-120	Carbon dioxide		350 - 8,000 ppm	1 ppm

No.	No. Cat.	Name	Symbol	Measurement Ranges	Resolution
21	NUL-121	Barometer		80 - 106 KPa 0.80 - 1.00 Atm 23.60 - 31.30 in/hg -380 - 1950 m	0.1 KPa 0.01 Atm 0.01 in/hg 0.1 m
22	NUL-122	Blood pressure		0-250 mm/hg	0.25 mm/hg
23	NUL-123	Drop Counter		0-25000 counts 0-1000 mL	
24	NUL-124	Flow		0-3.5 m/s	0.0001m/s
25	NUL-125	Force Plate		-800 – (+3500) N	0.3N
26	NUL-126	Rotary Motion		0 - 30 rev/s Below 7.5 rev/s	1° 0.25°
27	NUL-127	Acceleration		Acc-x -80 a 80 m/s <sup>2</sup> Acc-y -80 a 80 m/s <sup>2</sup> Acc-z -80 a 80 m/s <sup>2</sup>	0.2 m/s <sup>2</sup>
28	NUL-128	Salinity		Not available yet	
29	NUL-129	Soil Moisture		0-45% volumetric content of water in soil	0.05%
30	NUL-130	UVB		230-320 mW/m <sup>2</sup>	0.3 mW/m <sup>2</sup>
31	NUL-131	Turbidity		0-200 NTU	0.13NTU
32	NUL-132	UVA			
33	NUL-133	Surface Temperature			
34	NUL-134	Wide-Range Temperature			
35	NUL-135	Infrared Thermometer			
36	NUL-136	Respiration			
37	NUL-137	Hand Dynamometer			