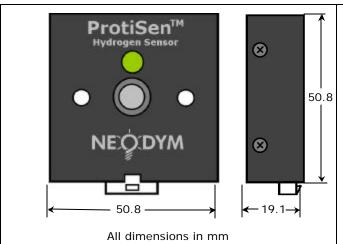


## Catalytic Hydrogen Gas Sensor Specifications



Hydrogen (in air)		
Catalytic (with filter)		
0 – 40,000 ppm		
200 ppm		
Bi-color LED (red/green)		
0-3VDC, Encoded State, 'TTL', Open Drain		
Anodized aluminum		
Molex Mini-fit Jr. 4-pin		
50g		

Manufactured in Canada

Parameter	Min.	Тур.	Max.	Units	Notes
Accuracy	5	3	-	%	Percent range, still air
Linearity	5	3	-	%	Percent range, still air
Air Velocity Error		1	1.5	%	Percent range, 3 m/sec
Oxygen Requirement	5	21	-	%	
HMDS Tolerance	100/50 10/500	ı	-	ppm/hrs	
Operating Temperature	-40	T	+80	Deg. C	
Operating Humidity	0	I	99	%RH	Non-condensing
Warm-up Time	-	2	10	Secs	
Response Time (T90)	-	2	3	Secs	
Recovery Time (T10)	ı	5	10	Secs	
Input Voltage (Select one) 3VDC 5-16VDC	2.9 5	3.0	3.1 16	VDC VDC	Option I1 – 3VDC regulated Option I2 – switch mode PSU
Power Consumption	-	750	800	mW	At 12VDC supply (I2 option)
Output Signal (Select one)  O-3VDC Proportional: Trouble Threshold Step Size  Encoded State: Fault Normal Warning Alarm Fault	0 0.25 1.00 1.75 2.50	500 11.73 0 0.50 1.25 2.00 2.75	- - 0.1 0.75 1.50 2.25 3.00	mV mV V V V	3mA load max. OV during fault state Per 200 ppm H <sub>2</sub> 5mA load max.
<u>Digital (High/Low):</u> Low Level High Level <u>Open Drain (On/Off):</u> Drain current Drain voltage	- 2.0 - -	0 2.8 - -	0.2 - 2 60	V V A V	5mA load max. $R_{DS(ON)} = 0.3 \text{ Ohm}$

These specifications are subject to change without notice.