

Oxygen Module

S737-AOH-M-AL-A10-1033

Datasheet - Oxygen Module V1.1 - Rev1.2.docx



Module Dimensions: (WxHxD) mm3	147 x 66 x 16 mm3 <i>High of Knobs Not included</i>
Module Line:	Alpha
Backlight (12V):	Yes, Warm White
Backpanel:	Yes, Specific PCB
Hardware Interface: (See Chapter 1.2)	To be connected to a Control Board like SimCard Ethernet, IOCard USB, etc.
Knobs:	Realistic Injection Plastic Knobs
Plug Ready Module	Yes
Simulator Model:	Sim737NG
Scale:	1:1
Price (without VAT)	Web: Shop

www.sismo-soluciones.com

1 Compatibility

1.1 Software Compatibility

This module uses IDC connectors to interface with electronic I/O Boards, they cannot be connected directly to a Computer, it has to be through an electronic Board (see hardware compatibility). If the electronic board is a SimCard, then this module is compatible with the following Add-Ons:

iFly737			Prosim737			Project Magenta			PMDG 737NG			SimAvionics		
FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE	FSX	P3D	XPLANE
X	X	?	X	X	?	X	X	X	X	X	?	X	X	?

X	Fully compatible, scripts available in downloads sect.
X	Fully compatible, no scripts available (under development)
X	Compatible with some add-on limitations
?	Pending confirmation for the add-on company

FSX	Microsoft Flight Simulator X
P3D	Lockheed Martin Prepar3D
X-Plane	X-Plane

This module has been designed to be connected directly to the “Sismo AFT Baseplate V2” or higher. This baseplate is an option where cables or other elements are not necessary. If you want to use it in other configuration, just connect the flat ribbon cables following the indications of the “Wiring Schedule”.

1.2 Hardware Compatibility (I/O Boards)

SimCards Ethernet	IOCards	Phidgets	MIP737	Pokeys USB	Arduino
Yes (Recommended)	Yes	Yes	Yes	No Information	Yes

1.3 Module Backpanel (PCB) Compatibility

This datasheet is valid for the following module backpanel (PCB):

V1	V1.1						
No	Yes						

2 Abbreviations

PRM	Plug Ready Module
AFT	After Overhead

3 Customization

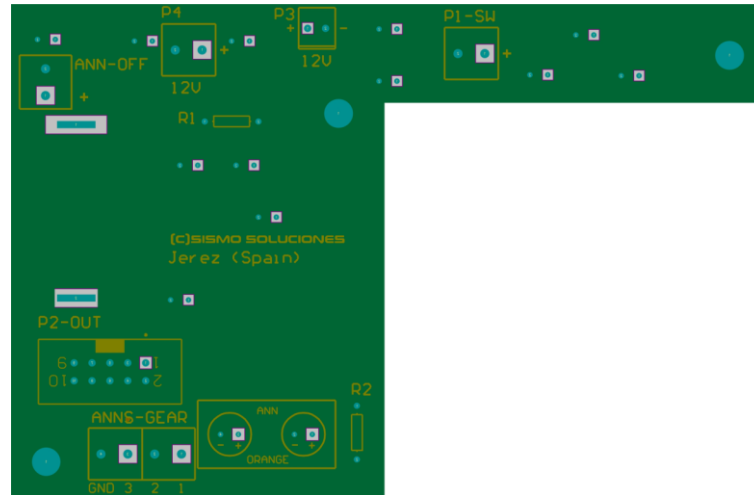
There are three variants of this product:

- Without Oxygen Gauge
- Dummy Oxygen Gauge
- Functional Oxygen Gauge with Backlight

4 Parts included

- 1 Oxygen Module, fully assembled and ready to be installed on the AFT.
- 1 Un. 10-pin flat ribbon cable (25cm length). . For other lengths, please contact to Sismo.

5 Backpanel Connectors



6 Wiring Schedule

6.1 INPUT

P1-SW	
1	Pass Oxygen
GND	GND

6.2 OUTPUT

Function	State
Not used	
Not Used	
Ann OFF	ON
Ann GEAR LEFT	ON
Not used	

P3-OUT	
1	2
3	4
5	6
7	8
9	10

State	Function
	Not used
ON	Ann PASS OXY ON
ON	Ann GEAR NOSE
ON	Ann GEAR RIGHT
Common GND	

Note: If Sismo Baseplate is going to be used, in this module (Oxygen Module) has to be connected the Lever Gear Annunciators Module

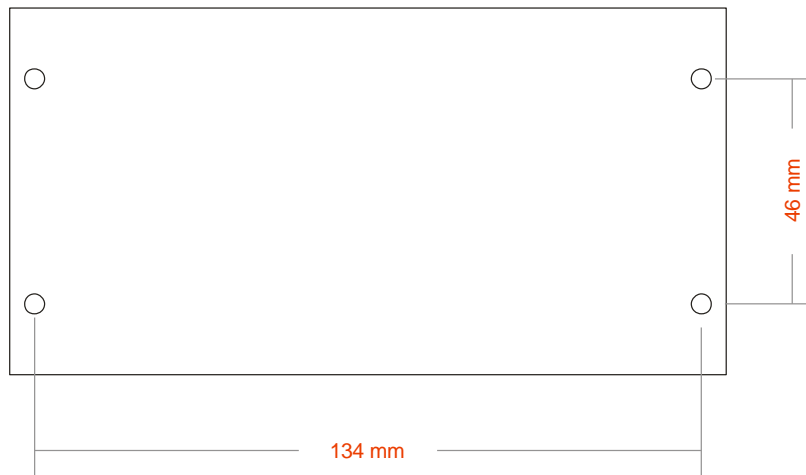
ANN-OFF	
+	Ann OFF
GND	GND

P1-SW	
1	Ann GEAR NOSE
2	Ann GEAR LEFT
3	Ann GEAR RIGHT

6.3 Backlight

P3 – P4 – 12V	
Backlight	12V for backlight. This voltage can be provided directly from a 12 V DC power supply or can be provided by “dimmer backlighting board” to have the dimming functionality available.

7 DZUS Position



8 Related Documentation

ID	DOCUMENT	Revision
01	User Manual – SimCards Ethernet	See the latest on our website
02		See the latest on our website

9 Pictures



End of Document