SPILBA

Data Sheet

AIR/FUEL RATIO

Wideband

Data Sheet V1.0

Introduction

The Spilba WB O2 equipment accurately determines the exhaust gas mixture over a wide range of engine operating conditions with a fast response. The device is designed to be quickly installed and used easily.

Its size, along with the high-quality Motorsport connectors and robust anodized aluminium housing, allow for very flexible and secure handling or mounting.

It can be powered by a wide range of voltages in extreme environments and allows for the use of the latest generation BOSCH 4.2 or 4.9 sensors.

This manual helps understand how to connect and operate the meter.

Specifications

Power supply, consumption and operating conditions	
Supply voltage	+9 a +24V DC
Current consumption	80 mA typical (+sensor heater current)
Protections	Voltage inversion
Operating temperature	-25 ºC ~ +70 ºC

Lambda probe	
Compatible probes	Bosch LSU 4.2 / Bosch LSU 4.9
Maximum exhaust temperature	850 ºC
Normal temperatura range	150 – 800 ºC

Measured values	
Lambda on 4.2 probes	0.7 - 9.99 λ
Lambda on 4.9 probes	0.65 - 9.99 λ
Air/Fuel ratio (AFR) on 4.2 probes	10.29 – 147 AFR
Air/Fuel ratio (AFR) on 4.9 probes	9.44 – 147 AFR
Accuracy	+/- 1.5% (specific to the probe)

Analog output	
Voltage values	0 – 4.5 V
Λ values	0.7 – 1.28 λ

Display	
Type	OLED
Dimension	1.54 in