

FLYBOX[®]



Carburetor Synchronizer CS

Revision#2.0, 15/12/2014
For firmware version 2.4

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SECTIONS

INSTALLATION

OPERATING INSTRUCTIONS

TECHNICAL SPECIFICATIONS

Thank you for purchasing a Flybox® product. We hope it fully satisfy you.

Developing CS, our intent was to create a compact, lightweight and easy to use instrument.

SYMBOLS USED IN THE MANUAL



NOTE: Used to highlight important informations.



CAUTION: Used to warn the user and indicate a potentially hazardous situation or improper use of the product.



WARNING: Used to indicate a dangerous situation that can cause personal injury or death if the instruction is disregarded.

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SECTION 1

1.1 INSTALLATION

ELECTRICAL CONNECTIONS:

The CS instrument is provided with power supply cable, 2 meters long, with 12V cigar lighter plug.

CARBURETOR CONNECTIONS:

The furnished pipe fittings are suitable for pipes with internal diameter of 5 mm.

Connect the two pipes on the back of the CS to the left and right carburetor pressure lines.



CAUTION: The pressure on the two lines must never exceed 74 InHg (250kPa) to avoid damage to the CS instrument.

SECTION 2

2.1 OPERATING INSTRUCTIONS

Turn on the CS at least 5 minutes before starting the calibration procedure to allow internal sensors to reach the operating temperature.

Check that all the pipes are firmly fixed; check also that the air flow of the propeller does not move the pipes to avoid pressure measurements error.

The display shows the actual pressure in inches of mercury with a decimal digit: for example the reading **29"7** mean **29.7 inHg**.

SECTION 3

3.1 TECHNICAL SPECIFICATIONS

- Inches of mercury (In.Hg) readings.
- Physical dimensions (excl. hoses and power supply cable): L134 x W129 x H61 mm.
- Power supply cable: 2 meters long with 12V cigar lighter plug.
- Connections through rubber tubes on back of the instruments.
- Solid-state pressure sensors.
- Operating temperature range: -20 ~ +70 °C.
- Measurable pressure range: 10 ~ 60 In.Hg.
- Supply voltage: 10 ~ 30 VDC.
- Supply current: 40 mA.
- Resolution: 0.1 In.Hg.
- Accuracy: 1.5 %.

WARRANTY:

This product is warranted to be free from defects for a period of 12 months from the user invoice date.

The warranty only covers manufacturer defects; and shall not apply to a product that has been improperly installed, misused or incorrect maintenance, repaired or altered by non-qualified person.

Date	Revision	Description
09/2009	1.1	First release
12/2014	2.0	Layout update

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MICROEL s.r.l.
Via Mortara 192-194
27038 Robbio (PV) - ITALY
Tel +39-0384-670602 - Fax +39-0384-671830
www.flyboxavionics.it