

Gas Test Box

Model No. SR#3

INSTRUCTION MANUAL

This simple and convenient test box enables the characteristics of the Figaro TGS sensors type #812, #813 and #109 to be evaluated. It is designed for use with Figaro Test Unit SR#1.

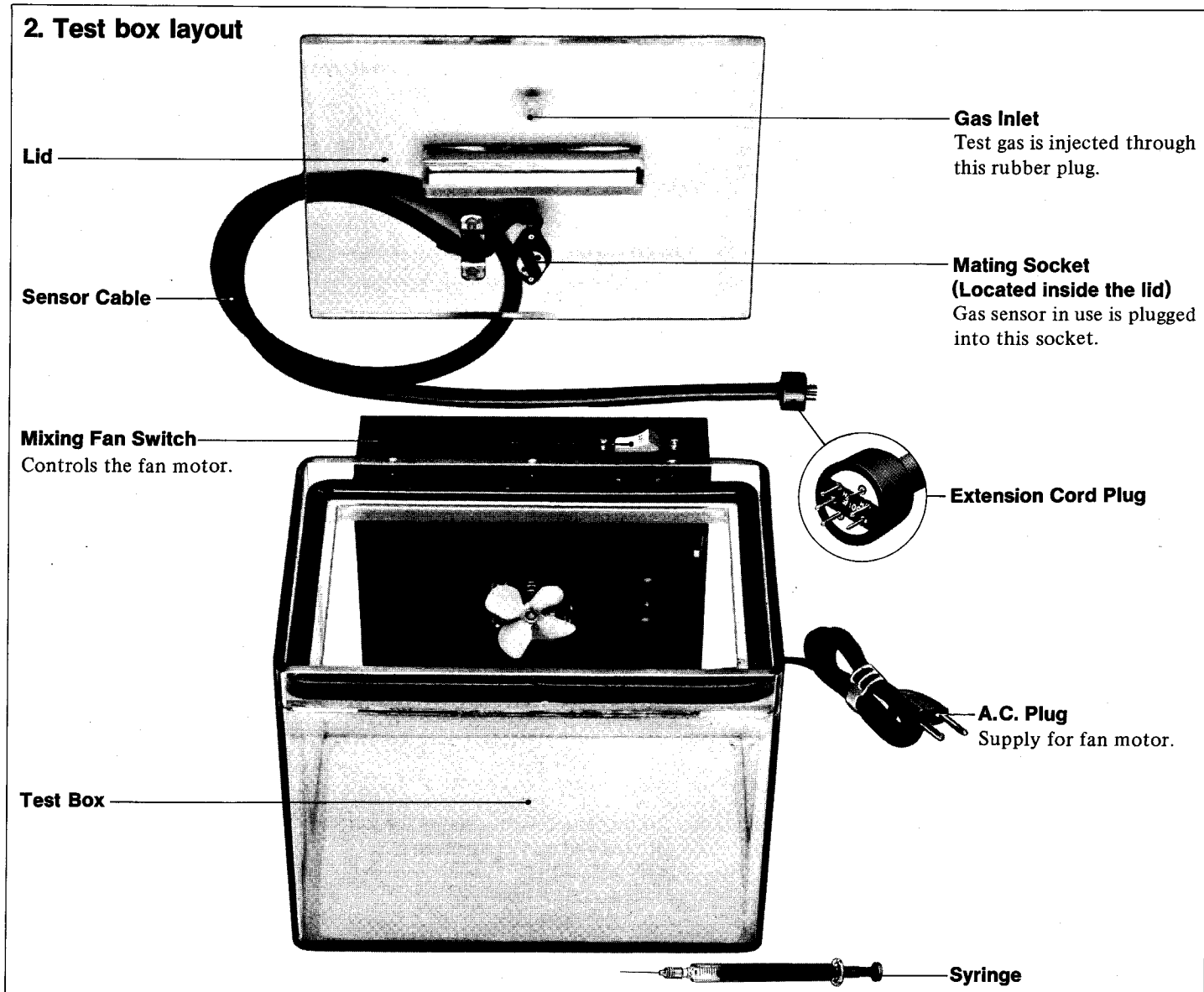
1. Specifications

- * Power supply: The unit is supplied adjusted for use with the voltage supply marked X.
100V A.C. 50/60Hz
117V A.C. 50/60Hz
220V A.C. 50/60Hz
- * Power Consumption: approx. 10W
- * Outer Dimension: 235mm x 180mm x 210mm
- * Effective Volume: 5,400cc
- * Gas Concentration vs Gas Volume injected:

Gas Concentration (ppm)	Volume of Pure Gas (cc)
50	0.27
100	0.54
200	1.08
400	2.16
600	3.24
800	4.32
1,000	5.40

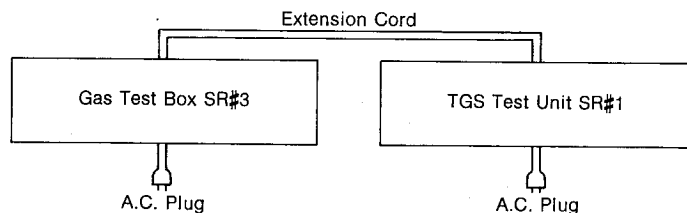
- * A syringe: A syringe (2cc) for injecting test gas is attached.

FIGARO ENGINEERING INC.



3. Directions for use

- ① Place the open test box in a clean atmosphere e.g. beside an open window, and run the mixing fan for 2 ~ 3 minutes to ensure all contaminants are removed from box.
- ② With clean air in the box, connect test box SR#3 and test unit SR#1 as shown in sketch below:
- ③ Plug sensor into socket in box lid. With sensors type #812 and #813 no special alignment between sensor and socket pins is necessary, but when using sensor type #109, sensor and socket pins marked H H must correspond.
- ④ Close box by replacing lid.
- ⑤ Connect power and check circuit voltage using voltmeter.
- ⑥ Fill the syringe to the predetermined gas volume from a cylinder of test gas. (The gas volume is determined by reference to 1. Specifications.)
- ⑦ Inject the test gas into the Test Box through the Gas Inlet.
- ⑧ Switch on the mixing fan for 30 seconds.
- ⑨ Wait 30 seconds and note output reading.



HEAD OFFICE:
FIGARO ENGINEERING INC.
1-5-11 Senbanishi,
Mino, Osaka 562-8505, Japan
Tel. (81)727-28-2561 Fax. (81)727-28-0467
E-mail: figaro@figaro.co.jp

OVERSEAS:
FIGARO USA, INC.
3703 West Lake Avenue, Suite 203
Glenview, IL 60025-1266, U.S.A.
Tel: (1)847-832-1701 Fax: (1)847-832-1705
E-mail: figarousa@figarosensor.com

September 20, 1976 Printed in Japan