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东尼仪器
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Mouth Toy Endure Tester

English Manual



Model : TW-229

Power : 1 ϕ 220V 50Hz

Production introduction

Much appreciated that you buying our products, we provide the high quality goods and reliable after-sales service.

To ensure the personnel safety and equipment integrity, read the operation manual carefully and pay attention to the precautions of using before operation. This manual details the design principles, standards, structure, operation, calibration, maintenance, possible faults and solution, electrical diagram and so on. The “test rule”, “standard” mentioned in the manual are only for reference, if your company disagrees, just review the standards or data on you own.

Special Statement :

- This manual can not be used as the basis for any request to our company.
- Our company keeps the final interpretation right of this manual.

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Safety Attention

1. Safety Sign:

To prevent accidents and body injury, pay attention to the following warning notices:

Danger: This shows if not do as requirement, the operator will be hurt.



Attention: The project with this sign means that it may affect the test results and quality control.



【note】the project with this mark means that the auxiliary use



2. The warning and attention sign of instrument.

	warning sign	this mark indicates the place that it need to follow the manual book to operate.
	dangerous voltage	high voltage.
	earth protection	ground terminal

I Introduction

1. Purpose

This testing is suitable for testing the safety capability of Mouth Toys.

2. Theory

This test instrument will be a certain volume of gas to emit a certain speed and inhaled toys, alternately blowing, suction toy 10 times, the test is completed and the shedding of parts of the toys tested whether the small parts or not.

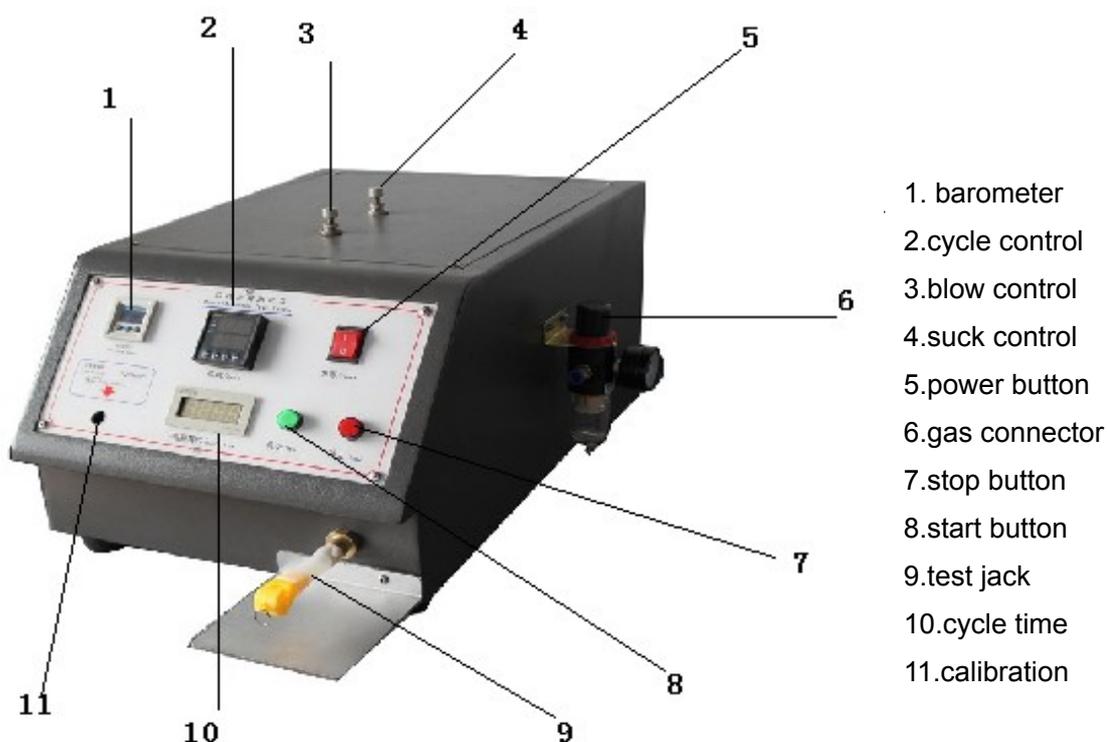
3. Standard

The equipment was made according to the standard ASTM F963

II The illustration of instruction

1. The structure of instrument:

(Figure 1)



2. Control Panel: (Figure 2)



3. Instrument Specifications: (Picture1):

Items	Specifications
Test speed	About 120/min
Specimen Fixture casing	2 groups
barometer	±15Kpa adjustable
bulk (WxDxH)	64x45x22cm
weight (Kg)	≈48Kg
electrical source	1 φ AC 220V 3A

table1

4. Accessories:

Small parts test cylinder (Optional)

III. Instrument Installation

1.the conditions of electrical source:

danger :



Input voltage error range should be within ± 10% and ensure the machine should be properly grounded to prevent damage to machine leakage properly marked on nameplate power.

Requests under this machine configured .

2. Operating environment requires:

the condition of [room temperature](#) (relative humidity:65+/-2; relative humidity)

3. Place the machine on a level and solid platform to install

IV. Operation Specification

1. Specimens prepared:

1. Choose several assembled mouth toys for the testing specimens.

2The product used as the test specimens should have no obvious defects, such as damaged, loose, etc.

2. Operating steps :

2.1 Please connect the power socket of the instrument and air compressor.

2.2 Please connect the gas pipe between the air compressor and the instrument.

2.3 Please plug the specimen into the test jack pipe.

2.4 Please set the test cycle times (test times) on cycly control panel, seting 10 times as usual.

2.5 Start the air compressor and open the power button of the instrument..

2.6 Start the machine to test

2.7 The machine stops automatically when it reaches the times of testing.

2.8 Turn off machine power, remove the specimen.

【Note】  The testing process, check whether the test pressure is over 13.8KPa, if over, it can be adjusted by adjusting the valve regulation to be reduced to 13.8KPa

3. Result Judement:

1.Result judgement: check if the specimen is complete or some parts dropping down

No parts dropping dwon——up to standard

Parts dropping dwon——Use small parts cylinder test the parts to see if they are small parts or not,if

【remark】  the notes above are only for reference, please refer to relevant standard documents for more details.

small parts, the product is below standard.

V. Malfunction solution

malfunction	reasons	solution
Open power switch, light is not bright.	<ul style="list-style-type: none"> • Power not input. • Fuse burning. 	<ul style="list-style-type: none"> • Check and repair the power line by electrician. • Change new as same capacity.
Machine running with great abnormal noise	<ul style="list-style-type: none"> • Motor malfunction. • Reductior failure. • Running bearing failure. 	<ul style="list-style-type: none"> • Repair or replace the same type. • Change new as the same size. • Change new as the same size..
•Repeated blown fuses, can not be used.	<ul style="list-style-type: none"> • Input voltage is abnormal. • Motor is abnormal.. 	<ul style="list-style-type: none"> • Check and repair by electrician. • Motor damage, repair or replace.

VI. Quality Assurance

1. The maintenance service is free for one year(consumables is not free, excluding travel expenses).

2. Free service mainly vouchers: Warranty card issued by our company is the most important certification when the service is controversial.

Thus: a) please keep your warranty card well, if loss within a month, please contact our customer service department.

b) the card is invalid if any altered or no stamp added of our company.

3. Case of the following circumstance, we will also charge for technic and materials as appropriate in the warranty period:

a) the nature disaster

b) wrong operation or the user's fault

c) do not use the power as required

d) dismantle and repair without permission.

e) error cause by lending to others

f) make alterations

g) self-correction that failed

h) transfer or delivery carelessly