C4i communication

EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

MEDICAL SUPPLY

SOMMARY

SARS-COV-2 TEST
- Rapid test

MEDICAL SUPPLY
- HYDROALCOHOLIC GEL
- DISPONSABLE GLOVES

SURGERY MASK
- FACE MASK
- KN95

THERMOMETER
- Infrared Thermometer

VENTILATOR
- VG70
- YH-830

DECONTAMINATION SYSTEM
- ROOM DECONTAMINATION SYSTEM
- ECO AIRPROTECT

FEVER MASS CONTROL SYSTEM
- C4i-H300T
- C4i-HVRM10

SARS-COV-2 TEST

New Coronavirus
(COVID-19) IgG/IgM

New Coronavirus (COVID-19) IgG/IgM

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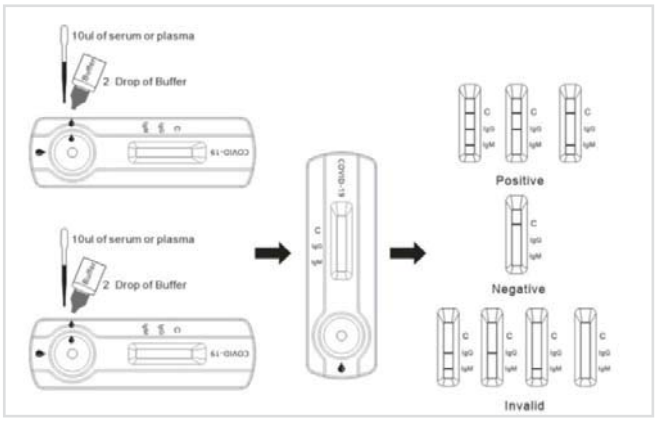
RAPID TEST

New Coronavirus (COVID-19) IgG/IgM

The New Coronavirus (COVID-19) IgG/IgM Rapid Test Device is a rapid chromatographic immunoassay for the qualitative detection of IgG&IgM antibody of WUHAN New Coronavirus in human whole bloods\ serum or plasma as an aid in the diagnosis of COVID-19 infections.

Key Features

- China CDC verified
  (compare with Real-time PCR method)
- Specimen types: Whole blood/ Serum/ Plasma
- Testing time: 15 minutes
- Sensitivity: 92.5%



Directions for Use

Allow the test device, specimen, buffer, and/or controls to reach room temperature (15-30°C) prior to testing.

- Bring the pouch to room temperature before opening. Remove the test device from the sealed pouch and use it as soon as possible.
- Place the test device on a clean and level surface.

<u>For Serum or Plasma Specimens</u>:

- Using the provided 10uL disposable pipette, draw the specimen up to the Fill Line, and transfer 10ul serum/plasma to the specimen well of the test device,
- Then add 2 drops of buffer and start the timer.

Specimens:

- Using the provided 10uL disposable pipette, and transfer 1 drop of whole blood (approximately20μL) to the specimen well of the test device, then add 2
- Drops of buffer and start the timer.
  Note: Specimens can also be applied using a micropipette.
- Wait for the colored line(s) to appear. Read results at 10 minutes. Do not interpret the result after 15 minutes.

Storage and Stability

- The original packaging should be stored at 4-30℃, to avoid light, keep dry
- The test device is stable through the expiration date printed on the sealed pouch. The test device must remain in the sealed pouch until use.
- Do not freeze
- Do not use beyond the expiration date, especially at temperatures above 30℃ or under high humidity conditions, should be used immediately once it is opened

Specimen Collection and Preparation

- The COVID-19 IgG/IgM Rapid Test Device is intended for use with human whole blood, serum or plasma specimens only.
- Only clear, non-hemolyzed specimens are recommended for use with this test. Serum or plasma should be separated as soon as possible to avoid hemolysis.
- Perform testing immediately after specimen collection. Do not leave specimens at room temperature for prolonged periods. Serum and plasma specimens may be stored at 2-8°C for up to 3 days. For long term storage, serum or plasma specimens should be kept below -20°C. Whole blood collected by venipuncture should be stored at 2-8°C if the test is to be run within 2 days after collection. Do not freeze whole blood specimens. Whole blood collected by fingerstick should be tested immediately.
- Containers containing anticoagulants such as EDTA, citrate, or heparin should be used for whole blood storage.
- Bring specimens to room temperature prior to testing. Frozen specimens must be completely thawed and mixed well prior to testing. Avoid repeated freezing and thawing of specimens.
- If specimens are to be shipped, pack them in compliance with all applicable regulations for transportation of etiological agents.
- Icteric, lipemic, hemolyzed, heat treated and contaminated sera may cause erroneous results.

Precaution

- For professional *in vitro* diagnostic use only
- Do not use the kit beyond the expiration date
- Do not eat, drink or smoke in the area where the specimens or kits are handled
- Do not use the test if the pouch is damaged
- Handle all specimens as if they contain infections agents. Observe established precautions against microbiological hazards throughout testing and follow the standard procedures for proper disposal of specimens.
- Wear protective clothing such as laboratory coats, disposable gloves and eye protection when specimens are being tested
- The used test should be discarded according to local regulations
- Do not reuse

Interpretation of Results

- IgG POSITIVE: *The colored line in the control line region (C) appears and a colored line appears in test line region IgG. The result is positive for COVID-19-IgG antibodies.
- IgM POSITIVE: *The colored line in the control line region (C) appears and a colored line appears in test line region IgM. The result is positive for COVID-19-IgM antibodies and is indicative of primary COVID-19 infection.
- IgG AND IgM POSITIVE: *The colored line in the control line region (C) appears and two-colored lines should appear in test line regions IgG and IgM. The color intensities of the lines do not have to match. The result is positive for IgG & IgM antibodies.

***NOTE**: The intensity of the color in the test line region(s) IgG and/or IgM will vary depending on the concentration of COVID-19 antibodies in the specimen. Therefore, any shade of color in the test line region(s) IgG and/or IgM should be considered positive.

- NEGATIVE: The colored line in the control line region (C) appears. No line appears in test line regions IgG or IgM.
- INVALID: There is no line appear in the c region.

Insufficient buffer volume or incorrect procedural techniques are the most likely reasons for control line failure. Review the procedure and repeat the procedure with a new test device. If the problem persists, discontinue using the test kit immediately and contact your local distributor.

Quality Control

- Internal procedural controls are included in the test. A color line appearing in the control region (C) is an internal positive procedural control. It confirms sufficient specimen volume and correct procedural technique.
- Control standards are not supplied with this kit; however, it is recommended that positive and negative controls be tested as a good laboratory practice to confirm the test procedure and to verify proper test performance.

Qualification

- Meet the requirements of EC Directive 98/79/EC
- Authorized representative in the European Community
- Meet the QC standards

* China, India, Singapore, Spain and in the process of being acquired in West and Central African countries

MEDICAL SUPPLY

- HYDROALCOHOLIC GEL
- DISPONSABLE GLOVES

HYDROALCOHOLIC HYGENIC GEL

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HYDROALCOHOLIC HYGIENIC GEL 1500ml

LEARN MORE:
http://c4icommunication.com

HYDROALCOHOLIC
HYGIENIC GEL 1500ml

MADE IN EUROPE

78% ALCOHOL

NAME / DESIGNATION

HYDROALCOHOLIC HYGIENIC GEL AMALFI

PRESENTATION

PET bottle with cap.
Content 1500 ml.
Box of 9 units.

STORAGE CONDITIONS

Flammable product. Store in a cooled, well-ventilated place, and avoiding high temperatures.

Keep away from open flames and other sources of ignition.

COMPOSITION

Ingredients (INCI)	% (p/p) :
Alcohol Denat.	75 - 80
Aqua (Water)	20 - 25
Glycerin	≤1 C
carbomer	<1
Triethanolamine	<1

ORGANOLEPTIC SPECIFICATIONS

Cosmetic form:	Gel
Appearance:	Clear viscous liquid
Color:	Colorless
Odor:	Smell of alcohol

CHEMICAL AND PHYSICAL CHARACTERISTICS

pH:	6,25 ± 0,25
Density at 20°C (g/ml):	0.860 ± 0.020
Alcoholic degree (°):	78.0 ± 2.0

MICROBIOLOGICAL SPECIFICATIONS

Not applicable due to the nature of the product

DISPONSABLE GLOVES

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EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

DISPOSABLE GLOVES

DISPOSABLE GLOVES

Nitriles Gloves Blue Disposable powder-free, HEALTH SOURCE:
These disposable gloves are both solid, thick and comfortable, offering increased resistance to tearing and perforation for lasting protection. Textured surface on the fingertips for improved handling of delicate objects.

• Robust, resilient and lightweight at the same time, adapting perfectly to the hand

• Disposable nitrile gloves, latex free and powder free to reduce the risk of allergic reactions

• Multiple areas of uses: Food, Tattoo, basic medical procedures, Painting, Animal Care, Care, Dentist, Laboratory

• Excellent barrier against chemicals.

• Touch and superior dexterity while offering maximum resistance to perforation

BASIC INFORMATION :

Width of the palm, (+/- 3mm):
Medium, 90 mm
wide, 100 mm
X-Large, 110 mm
XX-Large, 110 mm

COMPOSITION:

The nitrile used is powder-free (100% latex)

FUNCTION

1. Durable protection, robust and elastic for maximum cleanliness.
2. Textured on the fingertips for superior grip
3. Composition latex (hypoallergenic)
4. Excellent barrier for chemical products.
5. Medical Quality, not sterile, safe for food, CE certified, AQL 1.5
6. Multiple areas of uses (food, Tattoo, basic medical procedures, Painting, Animal Care, Care, Dentist, Laboratory)

SURGERY MASK

- FACE MASK
- KN95

FACE MASK

C4i communication

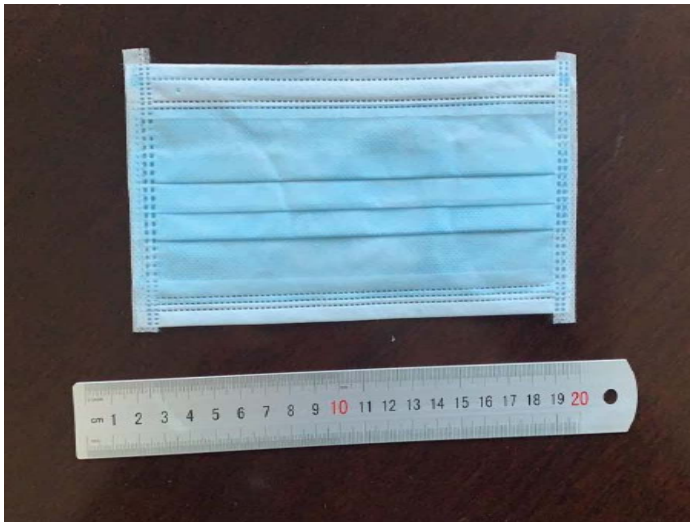
EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

DISPOSABLE MEDICAL FACE MASKS

3 Layer Non-woven Disposable Face Mask

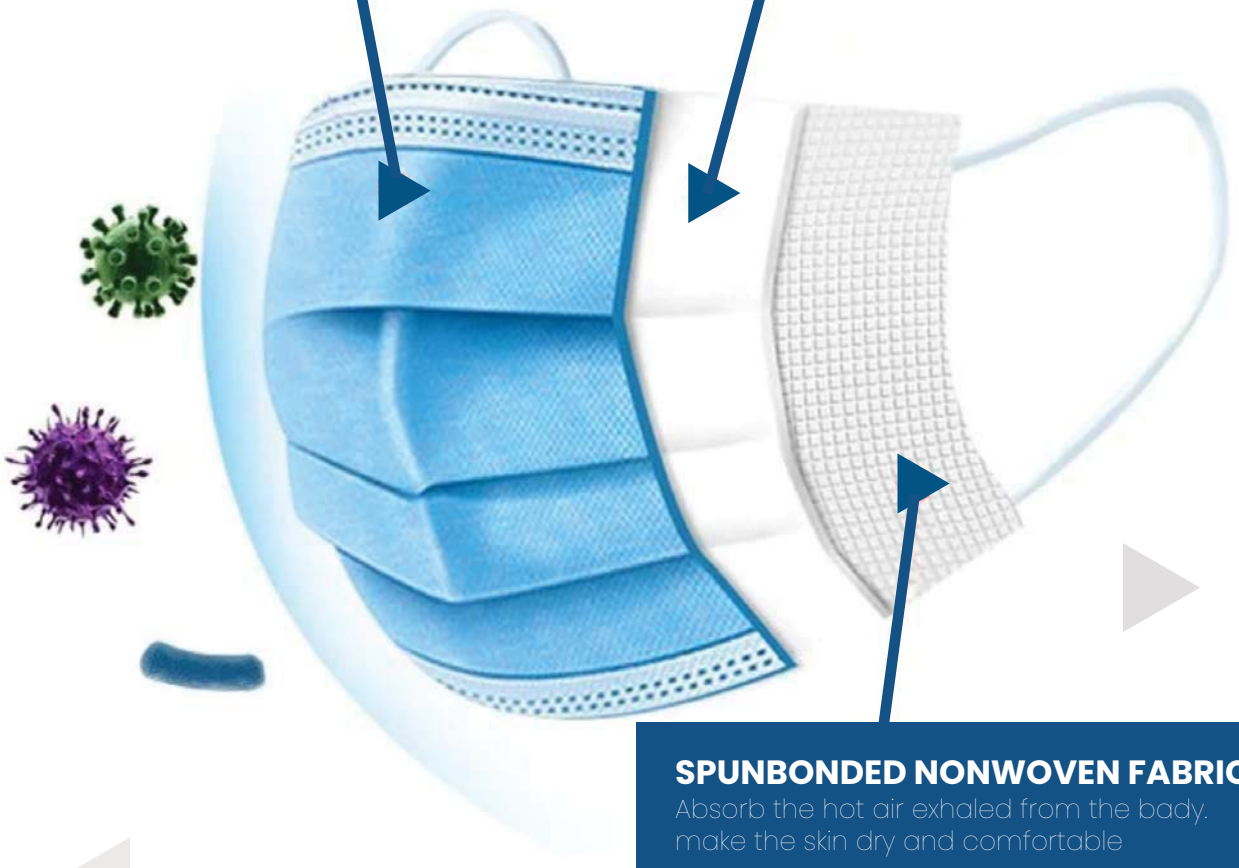
Disposable Face Mask Key Features:

-Skin Friendly High Quality PP Material, 3-Ply
-Low Breathing Resistance, Bacterial Filtration Efficiency(BEF)>98%
-Ear Loop, Elastic Band, Latex Free
-Anatomic Adjustable Integrated nose bridge
-Size:17.5*9.5cm



WATER PROFF SPUNBONDED NONWOVEN FABRIC
Effictively block visible objects such as droplets

MELT-BLOWN FABRIC
Filter non-oily particulate matter from the air



SPUNBONDED NONWOVEN FABRIC
Absorb the hot air exhaled from the bady.
make the skin dry and comfortable

Face Mask Packing Info

Packing Size: 62x35x35 (0,076m cube)
Weight: 9 kg
Quantity: 2000pcs/carton

Test Report

TEST REPORT
EN 14683:2005

Medical face masks - Requirements and test methods

Report Number. .....:	QA2020031613
Tested by (name + signature) ..:	Qinggang
Approved by (+ signature) .....:	Zengtao
Date of issue .....:	2020-03-16
Total number of pages .....:	10
Name of Testing Laboratory preparing the Report ..... :	Institute of Textile Technology Testing Center
Address ..... :	No.496 Fenghua Road, Jiangbei District, Ningbo, China
Applicant's name..... :	Xingguo fish and water medical equipment Co., Ltd.
Address.....:	Floor 1, Building 9, Electronic Technology park, South District, Xingguo Economic Development Zone, Ganzhou City, Jiangxi ,China.
Manufacturer's name ..... :	Xingguo fish and water medical equipment Co., Ltd..
Address.....:	Floor 1, Building 9, Electronic Technology park, South District, Xingguo Economic Development Zone, Ganzhou City, Jiangxi ,China.
Test specification:	
Standard.....:	EN 14683:2005
Test procedure..... :	CE
Non-standard test method..... :	N/A

Test specification:	
Standard.....:	EN 14683:2005
Test procedure..... :	CE
Non-standard test method..... :	N/A
Test item description ..... :	Disposable medical mask
Trade Mark ..... :	N/A
Model/Type reference..... :	WF-001,WF-002,WF-003,WF-004

The test results presented in this report relate only to the object tested. This report shall not be reproduced, except in full, without the written approval of the Laboratory. The authenticity of this Test Report and its contents can be verified by contacting the Laboratory, responsible for this Test Report.

Summary of testing:

Tests performed (name of test and test clause):	**Testing location:**
Full tests of the following standard: EN 14683:2005 The submitted samples were found to comply with the requirements of above standards.	Institute of Textile Technology Testing Center No.496 Fenghua Road, Jiangbei District, Ningbo, China, 315000

Possible test case verdicts:

- test case does not apply to the test object .. :	N/A
- test object does meet the requirement..... :	P (Pass)
- test object does not meet the requirement .. :	F (Fail)

Testing ..... :	
Date of receipt of test item..... :	2020-03-06
Date (s) of performance of tests..... :	2020-03-16 to 2020-03-16

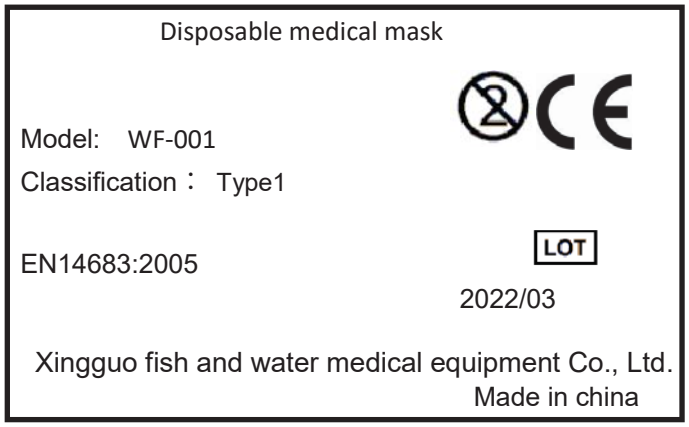
General remarks:

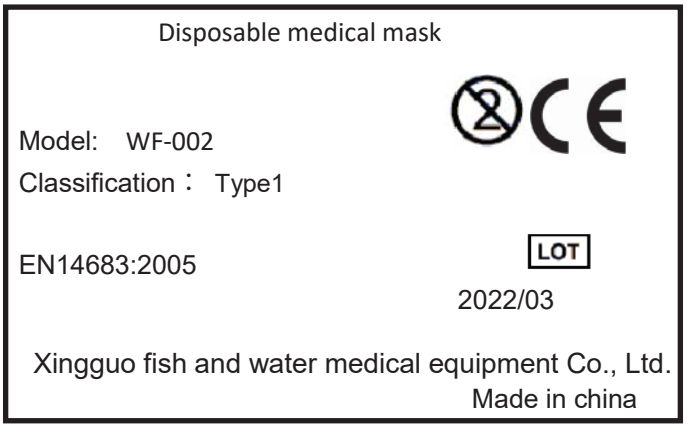
Throughout this report a ☒ comma / ☐ point is used as the decimal separator.

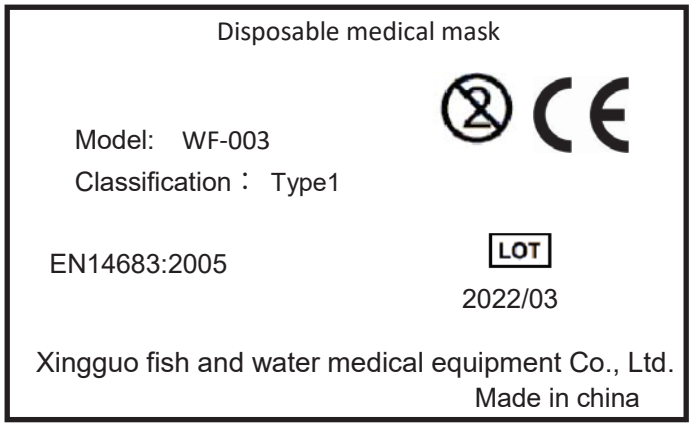
General product information:

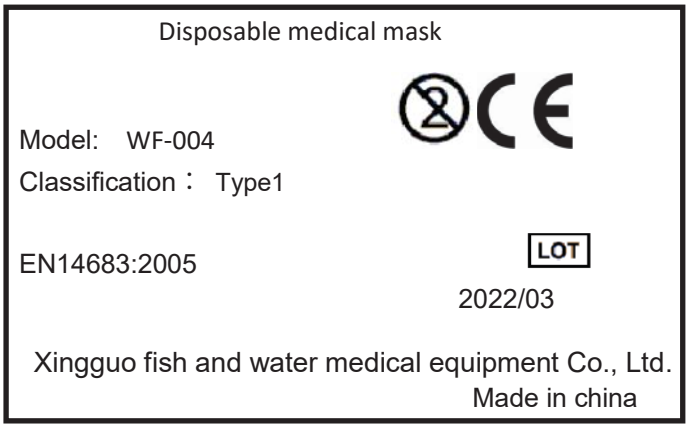
Protective mask is a kind of respiratory protective equipment for the purpose of preventing the spread of certain respiratory infectious microorganisms and protecting the health of the body.

Nameplate









Certificate

International Certification Registrar International Certification Registrar International Certification Registrar

Attestation of Conformity

No. ICR Polska/6301147

CE

Name and address of Registered Manufacturer:	Xingguo fish and water medical equipment Co., Ltd. Floor 1, Building 9, Electronic Technology park,South District, Xingguo Economic Development Zone, Ganzhou City, Jiangxi ,China.
Product name:	Disposable medical mask
Product type/model:	WF-001,WF-002,WF-003,WF-004
Trade mark:	n/a

This Attestation confirms that the product meets the requirements of the following normative documents and within limits of its documents gives presumption of conformity with essential requirements of Directive 93/42/EEC.

Relevant EC Directive:	Medical Device Directive 93/42/EEC
Conformity assessment procedure:	EC Declaration of Conformity (Annex VII of Directive 93/42/EEC)
Classification:	Class I according Rule 1 of Annex IX of Directive 93/42/EEC
Applied normative documents:	EN 14683:2005
Applied Quality Management System	n/a

This AoC will remain valid only if Quality Management System Certificate remains valid.
The assessment process has been carried out in accordance with the program PC-P-07-07.
Evaluation has been carried out in accordance with test report made by:

- QA Testing Certification Co., LTD

No. of test report:	QA2020031613
Issue date:	19.03.2020
Expiration date:	18.03.2025

The mutual obligations and rights of the certification are regulated by the contract No. ICR Polska/2020-3125.

This Attestation applies to products having the same attributes (parameters), intended use, that have been evaluated and meet the requirements of the aforementioned standard.

Director: Rafał Kalinowski

Warsaw, 19. 03. 2020.

ICR Polska Co. Ltd.
ul. Plac Przymierza 6, 03-944 Warszawa
www.icrpolska.com, e-mail: icrpolska@icrqa.com

MASK KN95

C4i communication

EXPERIENCE THE DIFFERENCE
YOUR SECURITY & SAFETY PRODUCTS

MASK KN95

DNW KN95 FFP2
Disposable Mask Surgical Mask
Ce & FDA Approved

- Skin-friendly
- Antiviral fiber
- CE and FDA certification
- Particulate matter filtration
- Individual package, clean and hygienic

Parameters:

Size: 10.7x 16.0cm

Layers: 4 layers of protection

Filtration efficiency ≥ 95%

Material: Nonwoven fabric, melt-blown fabric, needle punched cotton

HOW TO USE IT?

1. Open the mask to make the nose clip at the top, and pull the ear straps with both your hands.

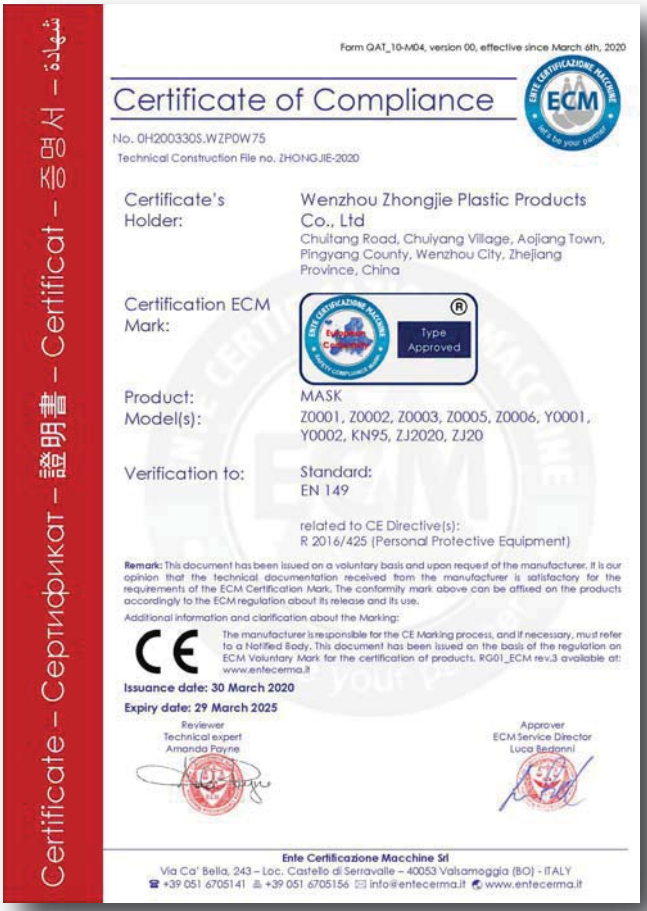
2. Hold the mask against your chin to completely cover your nose and mouth.

3. Pull the ear straps behind your ear and adjust them to make you feel comfortable.

4. Use both your hands to adjust the shape of the nose clip. Place your fingers in the middle of the nose clip and press it inwards while moving your fingertips along both sides of the nose clip until it is pressed to fit the bridge of your nose.

5. Cover the mask with your hand and exhale vigorously. If you feel the air escaping from the nose clip, it is required to tighten the nose clip; if the air escapes from the edge of the mask, readjust the headband to ensure tightness.

TEST REPORT



Certificate – Сертификат – 證明書 – Certificat – 증명서 – شهادة

Form QAT_10-M04, version 00, effective since March 6th, 2020

Certificate of Compliance

No. 0H200330S.WZP0W75

Technical Construction File no. ZHONGJIE-2020

Certificate's Holder: Wenzhou Zhongjie Plastic Products Co., Ltd
Chuitang Road, Chuiyang Village, Aojiang Town, Pingyang County, Wenzhou City, Zhejiang Province, China

Certification ECM Mark: Type Approved

Product: MASK

Model(s): Z0001, Z0002, Z0003, Z0005, Z0006, Y0001, Y0002, KN95, ZJ2020, ZJ20

Verification to: Standard: EN 149

related to CE Directive(s): R 2016/425 (Personal Protective Equipment)

Remark: This document has been issued on a voluntary basis and upon request of the manufacturer. It is our opinion that the technical documentation received from the manufacturer is satisfactory for the requirements of the ECM Certification Mark. The conformity mark above can be affixed on the products accordingly to the ECM regulation about its release and its use.

Additional information and clarification about the Marking:

CE The manufacturer is responsible for the CE Marking process, and if necessary, must refer to a Notified Body. This document has been issued on the basis of the regulation on ECM Voluntary Mark for the certification of products. RG01_ECM rev.3 available at: www.entecerma.it

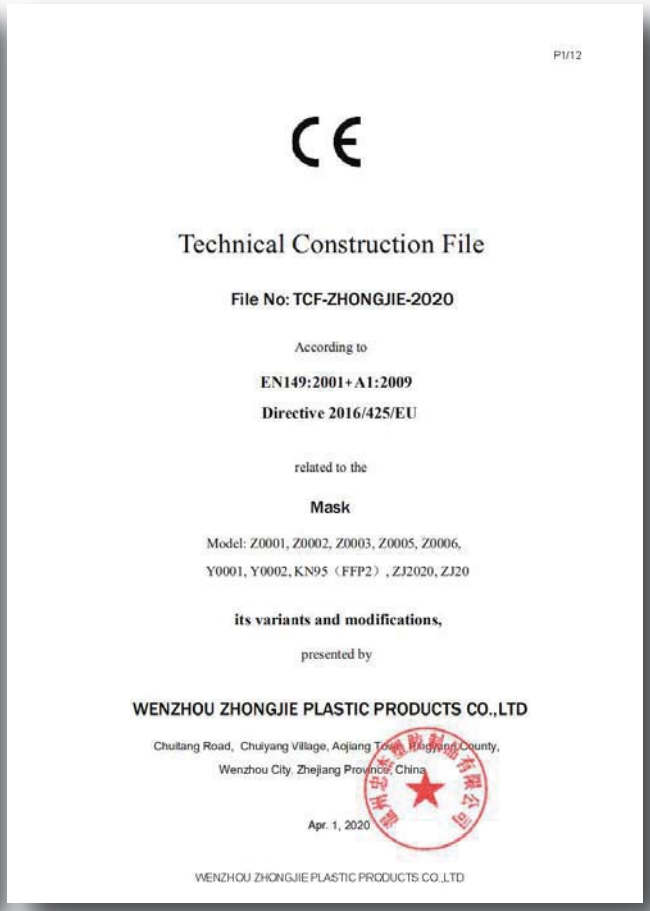
Issuance date: 30 March 2020

Expiry date: 29 March 2025

Reviewer
Technical expert
Amanda Payne

Approver
ECM Service Director
Luca Bedonni

Ente Certificazione Macchine Srl
Via Ca' Bella, 243 – Loc. Castello di Serravalle – 40053 Valsamoggia (BO) - ITALY
☎ +39 051 6705141 🖷 +39 051 6705156 ✉ info@entecerma.it 🌐 www.entecerma.it



CE

Technical Construction File

File No: TCF-ZHONGJIE-2020

According to

EN149:2001+A1:2009

Directive 2016/425/EU

related to the

Mask

Model: Z0001, Z0002, Z0003, Z0005, Z0006, Y0001, Y0002, KN95（FFP2）, ZJ2020, ZJ20

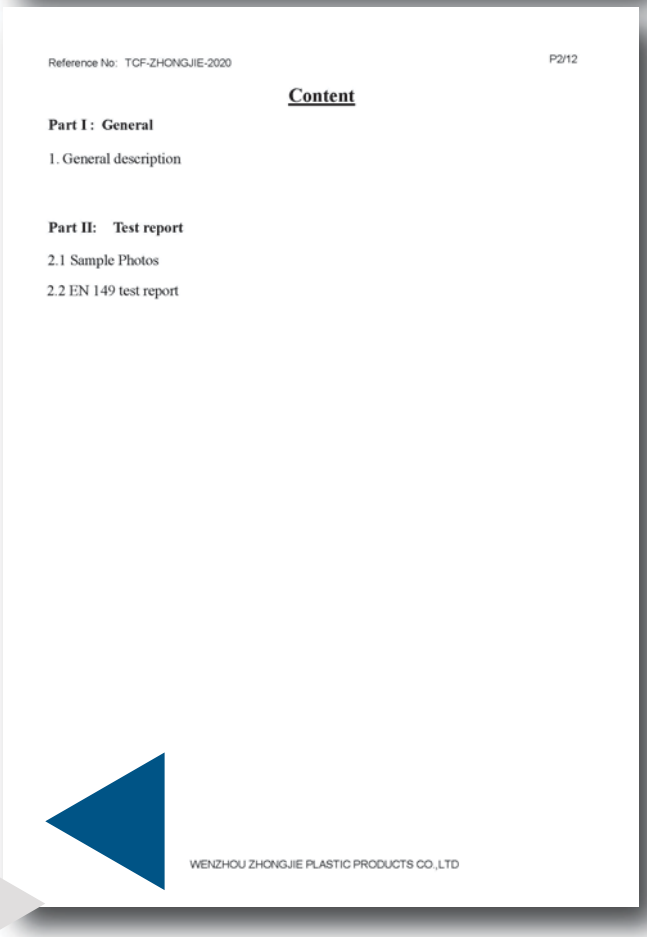
its variants and modifications,

presented by

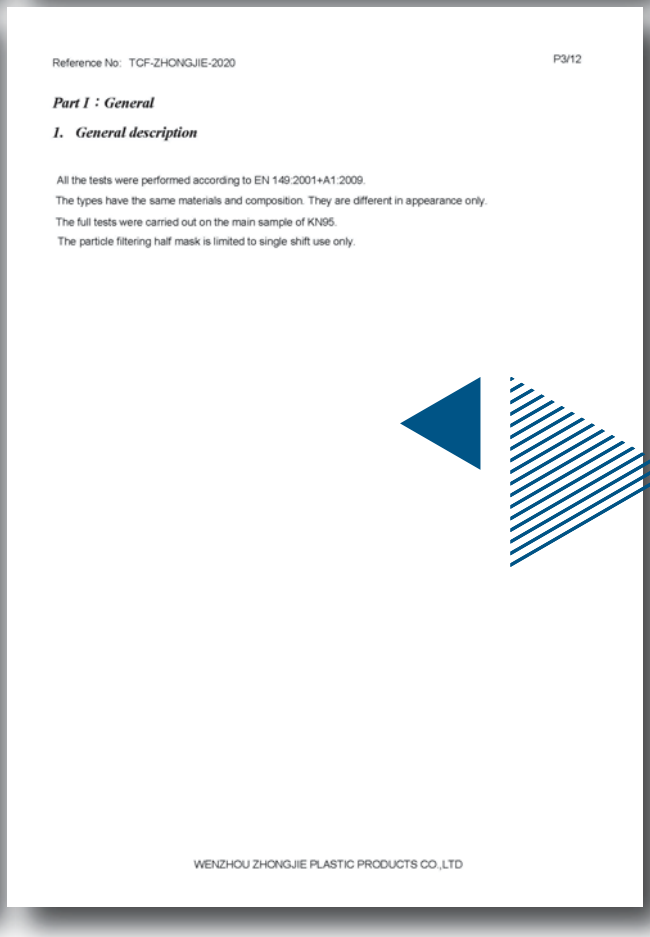
WENZHOU ZHONGJIE PLASTIC PRODUCTS CO.,LTD

Chuitang Road, Chuiyang Village, Aojiang Town, Pingyang County, Wenzhou City, Zhejiang Province, China

Apr. 1, 2020



Content



Part I : General

1. General description

All the tests were performed according to EN 149:2001+A1:2009.

The types have the same materials and composition. They are different in appearance only.

The full tests were carried out on the main sample of KN95.

The particle filtering half mask is limited to single shift use only.

Part II* : *Test report

EN 149

Respiratory protective devices - Filtering half masks to protect against particles - Requirements, testing, marking

Sample Photos:

EN 149			
Clause	Resuirement - Test	Result - Remark	Verdict
7	REQUIREMENTS		--
7.1	General		P
	In all tests all test samples shall meet the resuirements.		P
7.2	Nominal values and tolerances		P
	Unless otherwise specified, the values stated in this European Standard are expressed as nominal values. Except for temperature limits, values which are not stated as maxima or minima shall be subject to a tolerance of ± 5 %. Unless otherwise specified, the ambient temperature for testing shall be (16 - 32) °C, and the temperature limits shall be subject to an accuracy of ± 1 °C.	± 5 %	P
7.3	Visual inspection		P
	The visual inspection shall also include the marking and the information supplied by the manufacturer.		P
7.4	Packaging		P
	Particle filtering half masks shall be offered for sale packaged in such a way that they are protected against mechanical damage and contamination before use.Testing shall be done in accordance with 8.2.		P
7.5	Material		P
	Materials used shall be suitable to withstand handling and wear over the period for which the particle filtering half mask is designed to be used.		P
	After undergoing the conditioning described in 8.3.1 none of the particle filtering half masks shall have suffered mechanical failure of the facepiece or straps.	No mechanical failure	P
	Three particle filtering half masks shall be tested. When conditioned in accordance with 8.3.1 and 8.3.2 the particle filtering half mask shall not collapse.		N
	Any material from the filter media released by the air flow through the filter shall not constitute a hazard or nuisance for the wearer.Testing shall be done in accordance with 8.2.		P
7.6	Cleaning and disinfecting		N
	If the particle filtering half mask is designed to be re-usable, the materials used shall withstand the cleaning and disinfecting agents and procedures to be specified by the manufacturer.Testing shall be done in accordance with 8.4 and 8.5.		N
	With reference to 7.9.2, after cleaning and disinfecting the re-usable particle filtering half mask shall satisfy the penetration resuirement of the relevant class.Testing shall be done in accordance with 8.11.		N

EN 149			
Clause	Resuirement - Test	Result - Remark	Verdict
7.7	Practical performance		N
	The particle filtering half mask shall undergo practical performance tests under realistic conditions.These general tests serve the purpose of checking the esuipment for imperfections that cannot be determined by the tests described elsewhere in this standard.		N
	Where practical performance tests show the apparatus has imperfections related to wearer's acceptance, the test house shall provide full details of those parts of the practical performance tests which revealed these imperfections.Testing shall be done in accordance with 8.4.		N
7.8	Finish of parts		P
	Parts of the device likely to come into contact with the wearer shall have no sharp edges or burrs.Testing shall be done in accordance with 8.2.	No sharp edges or burrs	P
7.9	Leakage		P
7.9.1	Total inward leakage		P
	The laboratory tests shall indicate that the particle filtering half mask can be used by the wearer to protect with high probabilty against the potential hazard to be expected.		P
	The total inward leakage consists of three components: face seal leakage, exhalation valve leakage (if exhalation valve fitted) and filter penetration.		P
	For particle filtering half masks fitted in accordance with the manufacturer' s information, at least 46 out of the 50 individual exercise results (i.e. 10 subjects x 5 exercises) for total inward leakage shall be not greater than: 25 % for FFP1 11 % for FFP2 5 % for FFP3 and, in addition, at least 8 out of the 10 individual wearer arithmetic means for the total inward leakage shall be not greater than: 22 % for FFP1 8 % for FFP2 2 % for FFP3 Testing shall be done in accordance with 8.5	See appended table	P
7.9.2	Penetration of filter material		P
	The penetration of the filter of the particle filtering half mask shall meet the resuirements of Table 1. Table 1 — Penetration of filter material Classification / Maximum penetration of test aerosol (%) Sodium chloride test 95 l/min: FFP1 20, FFP2 6, FFP3 1 Paraffin oil test 95 l/min: FFP1 20, FFP2 6, FFP3 1	Sodium chloride test 95 l/min	P

EN 149			
Clause	Resuirement - Test	Result - Remark	Verdict
	Testing in accordance with 8.11 using the Penetration test according to EN 13274-7, shall be performed on:		--
	- 3 samples as received	18#: 2.4% 19#: 2.4% 20#: 2.3%	P
	- 3 samples after the simulated wearing treatment described in 8.3.1	21#: 2.9% 22#: 3.0% 23#: 2.7%	P
	Testing in accordance with 8.11 using the Exposure test with a specified mass of test aerosol of 120 mg, and for particle filtering devices claimed to be re-usable additionally the Storage test, according to EN 13274-7, shall be performed:		N
	- for non-re-usable devices on: - 3 samples after the test for mechanical strength in accordance with 8.3.3 followed by temperature conditioning in accordance with 8.3.2.	24#: 3.2% 25#: 3.2% 26#: 3.0%	P
	- for re-usable devices on: - 3 samples after the test for mechanical strength in accordance with 8.3.3 followed by temperature conditioning in accordance with 8.3.2. and followed by one cleaning and disinfecting cycle according to the manufacturer's instruction.		N
7.10	Compatibility with skin		P
	Materials that may come into contact with the wearer is skin shall not be known to be likely to cause irritation or any other adverse effect to health. Testing shall be done in accordance with 8.4 and 8.5		P
7.11	Flammability		P
	The material used shall not present a danger for the wearer and shall not be of highly flammable nature		P
	When tested, the particle filtering half mask shall not burn or not to continue to burn for more than 5s after removal from the flame		P
	The particle filtering half mask does not have to be usable after the test.Testing shall be done in accordance with 8.6.		P
7.12	Carbon dioxide content of the inhalation air		P
	The carbon dioxide content of the inhalation air (dead space) shall not exceed an average of 1,0 % (by volume).Testing shall be done in accordance with 8.7.	0.05%	P
7.13	Head harness		P
	The head harness shall be designed so that the particle filtering half mask can be donned and removed easily.		P

EN 149			
Clause	Resuirement - Test	Result - Remark	Verdict
	The head harness shall be adjustable or self-adjusting and shall be sufficiently robust to hold the particle filtering half mask firmly in position and be capable of maintaining total inward leakage resuirements for the device.Testing shall be done in accordance with 8.4 and 8.5.		P
7.14	Field of vision		P
	The field of vision is acceptable if determined so in practical performance tests.Testing shall be done in accordance with 8.4.		P
7.15	Exhalation valve(s)		N
	A particle filtering half mask may have one or more exhalation valve(s), which shall function correctly in all orientations.Testing shall be done in accordance with 8.2 and 8.9.1.		N
	If an exhalation valve is provided it shall be protected against or be resistant to dirt and mechanical damage and may be shrouded or may include any other device that may be necessary for the particle filtering half mask to comply with 7.9.Testing shall be done in accordance with 8.2.		N
	Exhalation valve(s), if fitted, shall continue to operate correctly after a continuous exhalation flow of 300 l/min over a period of 30 s.Testing shall be done in accordance with 8.3.4.		N
	When the exhalation valve housing is attached to the faceblank, it shall withstand axially a tensile force of 10 N applied for 10 s.Testing shall be done in accordance with 8.8.		N
7.16	Breathing resistance		P
	The breathing resistances apply to valved and valveless particle filtering half masks and shall meet the resuirements of Table 2.Testing shall be done in accordance with 8.9. **Table 2 — Breathing resistance** Classification / Maximum permitted resistance (mbar): inhalation 30 l/min: FFP1 0,6; FFP2 0,7; FFP3 1,0; inhalation 95 l/min: FFP1 2,1; FFP2 2,4; FFP3 3,0; exhalation 160 l/min: FFP1 3,0; FFP2 3,0; FFP3 3,0	Exhalation resistance(mbar): Flow:160L/min 32#: 1.0 33#: 1.1 34#: 1.0 Inhalation resistance(mbar): Flow:30L/min: 35#: 0.2; 36#: 0.2; 37#: 0.4 Flow:95L/min: 38#: 1.3; 39#: 1.3; 40#: 1.2	P
7.17	Clogging		N
7.17.1	General		N
	For single shift use devices, the clogging test is an optional test. For re-usable devices the test is mandatory ."		N

EN 149			
Clause	Resuirement - Test	Result - Remark	Verdict
	Devices designed to be resistant to clogging, shown by a slow increase of breathing resistance when loaded with dust, shall be subjected to the treatment described in 8.10.		N
	The specified breathing resistances shall not be exceeded before the resuired dust load of 833mg•h/m³ is reached.		N
7.17.2	Breathing resistance		N
7.17.2.1	Valved particle filtering half masks		N
	After clogging the inhalation resistances shall not exceed □ FFP1: 4 mbar □ FFP2: 5 mbar □ FFP3: 7 mbar at 95 l/min continuous flow; The exhalation resistance shall not exceed 3 mbar at 160 l/min continuous flow.Testing shall be done in accordance with 8.9.		N
7.17.2.2	Valveless particle filtering half masks		N
	After clogging the inhalation and exhalation resistances shall not exceed □ FFP1: 3 mbar □ FFP2: 4 mbar □ FFP3: 5 mbar at 95 l/min continuous flow.Testing shall be done in accordance with 8.9.		N
7.17.3	Penetration of filter material		N
	All types (valved and valveless) of particle filtering half masks claimed to meet the clogging resuirement shall also meet the resuirements given in 7.9.2, for the Penetration test according to EN 13274-7, after the clogging treatment.Testing shall be done in accordance with 8.11 using EN 13274-7		N
7.18	Demountable parts		P
	All demountable parts (if fitted) shall be readily connected and secured, where possible by hand. Testing shall be done in accordance with 8.2.		P
9	Marking		--
9.1	Packaging		P
	The following information shall be clearly and durably marked on the smallest commercially available packaging or legible through it if the packaging is transparent		P
9.1.1	The name, trademark or other means of identification of the manufacturer or supplier		P
9.1.2	Type-identifying marking		P
9.1.3	Classification		P

EN 149			
Clause	Resuirement - Test	Result - Remark	Verdict
	The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D	FFP2 NR	P
9.1.4	The number and year of publication of this European Standard	EN149:2001+A1: 2009	P
9.1.5	At least the year of end of shelf life. The end of shelf life may be informed by a pictogram as shown in Figure 12a, where yyyy/mm indicates the year and month	2022/03	P
9.1.6	The sentence 'see information supplied by the manufacturer', at least in the official language(s) of the country of destination, or by using the pictogram as shown in Figure 12b		P
9.1.7	The manufacturer' s recommended conditions of storage (at least the temperature and humidity) or esuivalent pictogram, as shown in Figures 12c and 12d		P
9.1.8	The packaging of those particle filtering half masks passing the dolomite clogging test shall be additionally marked with the letter "D"		N
9.2	Particle filtering half mask		P
	Particle filtering half masks complying with this European Standard shall be clearly and durably marked with the following:		P
9.2.1	The name, trademark or other means of identification of the manufacturer or supplier		P
9.2.2	Type-identifying marking		P
9.2.3	The number and year of publication of this European Standard	EN149:2001+A1: 2009	P
9.2.4	Classification The appropriate class (FFP1, FFP2 or FFP3) followed by a single space and then: "NR" if the particle filtering half mask is limited to single shift use only. Example: FFP3 NR, or "R" if the particle filtering half mask is re-usable. Example: FFP2 R D	FFP2 NR	P
9.2.5	If appropriate the letter D (dolomite) in accordance with clogging performance. This letter shall follow the classification marking preceded by a single space (see 9.2.4). Examples FFP3 NR D, FFP2 R D		N
9.2.6	Sub-assemblies and components with considerable bearing on safety shall be marked so that they can be identified		N
10	Information to be supplied by the manufacturer		P
10.1	Information supplied by the manufacturer shall accompany every smallest commercial available package.		P
10.2	Information supplied by the manufacturer shall be at least in the official language(s) of the country of destination.		P

EN 149			
Clause	Resuirement - Test	Result - Remark	Verdict
10.3	The information supplied by the manufacturer shall contain all information necessary for trained and sualified persons on		P
	□ application/limitations;		P
	□ the meaning of any colour coding;		P
	□ checks prior to use;		P
	□ donning, fitting;		P
	□ use;		P
	□ maintenance (e.g. cleaning, disinfecting), if applicable;		N
	□ storage;		P
	□ the meaning of any symbols/pictograms used of the esuipment		P
10.4	The information shall be clear and comprehensible. If helpful, illustrations, part numbers, marking shall be added.		P
10.5	Warning shall be given against problems likely to be encountered, for example:		P
	□ fit of particle filtering half mask (check prior to use);		P
	□ it is unlikely that the resuirements for leakage will be achieved if facial hair passes under the face seal;		P
	□ air suality (contaminants, oxygen deficiency);		P
	□ use of esuipment in explosive atmosphere.		N
10.6	The information shall provide recommendations as to when the particle filtering half mask shall be discarded		P
10.7	For devices marked "NR", a warning shall be given that the particle filtering half mask shall not be used for more than one shift.		P

7.9.1	Table: Total inward leakage						P
Test subjects		D1 (%)	D2 (%)	D3 (%)	D4 (%)	D5 (%)	TIL (%)
Samples as received	1#	7.1	7.6	7.6	7.1	7.1	7.30
	2#	7.3	7.7	7.9	7.1	7.2	7.44
	3#	8.1	8.2	8.4	8.6	8.0	8.26
	4#	8.2	7.0	7.6	7.1	7.1	7.20
	5#	8.2	8.0	7.7	7.6	7.4	7.68
After temperature conditioning in accordance with 8.3.2	6#	8.6	8.7	6.4	6.6	6.3	7.32
	7#	8.1	7.3	7.7	7.6	7.5	7.64
	8#	7.4	7.4	7.9	8.2	8.7	7.92
	9#	7.9	8.2	7.6	7.9	8.1	7.94
	10#	8.1	8.1	8.6	8.2	6.7	7.94

Wenzhou Zhongjie Plastic Products Co., Ltd.

CE 技术文件

Technical Construction Files

Product name: DISPOSABLE FACE MASK

Applied Directive : Medical Device Directive (93/42/EEC+2007/47/EC)

Document No.: TCF-LAIDUN-2020

Revision: A0

Compiled by: (Name/Title/Dept.)	李忠杰	Date:	2020. 03. 31
Reviewed by (Name/Title/Dept.)	叶秀叶	Date:	2020. 03. 31
Approved by: (Name/Title/Dept.)	唐敏	Date	2020. 03. 31

§3. Risk management report

Risk Analysis

COMPANY NAME:	Wenzhou Zhongjie Plastic Products Co., Ltd.
COMPANY ADDRESS:	Chuitang Road, Chuiyang Village, Aojiang Town, Pingyang County, Wenzhou City, Zhejiang Province, China
PRODUCT:	DISPOSABLE FACE MASK (no sterile)
MODEL:	KN95 (FFP2) , Z0001, Z0002, Z0003, Z0005, Z0006, Y0001, Y0002, KN95 (FFP2) , ZJ2020, ZJ20
Accessories:	/
PROCEDURE:	EN 149:20001+A1:2009
RESULT:	All risks associated with the identified hazards have been evaluated. After appropriate measures to reduce these risks have been taken, the overall level of risk of the product is acceptable with regard to the intended application and use of the application.

Compiled by: (Name/Title/Dept.) 李忠杰 Date: Mar.31, 2020

Reviewed by (Name/Title/Dept.) 叶秀叶 Date: Mar.31, 2020

Approved by: (Name/Title/Dept.) 唐敏 Date: Mar.31, 2020

§12. Declaration of conformity

EC Declaration of conformity

Council Directive 93/42/EEC&2007/47/EC on Medical Devices Directive

Wenzhou Zhongjie Plastic Products Co., Ltd Chuitang Road,Chuiyang Village, Aojiang Town, PingyaCounty,Wenzhou City, Zhejiang Province, China

Certify that the product described is in conformity with the Medical Devices Directive 93/42/EEC&2007/47/EC as amended

Product Name:

DISPOSABLE FACE MASK

Item No:

KN95(FFP2) 175X90mm / 145X90mm 5LAYERS

The product has been assessed by the application of the following standards:

EN 149:20001+A1:2009

温州2020-03-31 李忠杰

Issue place and date Company stamp and Signature of authorized personnel

Certification FDA

Fiscal Year 2020

CERTIFICATION OF FDA REGISTRATION

This certifies that:

[illegible] CO., LTD.
No.5 South Street, [illegible]

has completed the FDA Establishment Registration and Device Listing with the US Food & Drug Administration, through

Shenzhen CCT Testing Technology Co., Ltd.

Owner/Operator Number: 10062971

Device Listing: See Next Pager

CCT will confirm that such registration remains effective upon request and presentation of this certificate until the end of the calendar year stated above, unless said registration is terminated after issuance of this certificate. CCT makes no other representations or warranties, nor does this certificate make any representations or warranties to any person or entity other than the named certificate holder, for whose sole benefit it is issued. This certificate does not denote endorsement or approval of the certificate-holder's device or establishment by the U.S. Food and Drug Administration. CCT assumes no liability to any person or entity in connection with the foregoing.

Pursuant to 21 CFR 807.39, "Registration of a device establishment or assignment of a registration number does not in any way denote approval of the establishment or its products. Any representation that creates an impression of official approval because of registration or possession of a registration number is misleading and constitutes misbranding." The U.S. Food and Drug Administration does not issue a certificate of registration, nor does the U.S. Food and Drug Administration recognize a certificate of registration. CCT is not affiliated with the U.S. Food and Drug Administration.

Shenzhen CCT Testing Technology Co.,Ltd.
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Chief engineer
Issued: 03/15/2020
Expiration Date:12/31/2020

SHENZHEN CCT TESTING TECHNOLOGY CO.,LTD. CCT Testing Service

THERMOMETER

INFRARED THERMOMETER

INFRARED THERMOMETER

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YS-ET03

NON-CONTACT INFRARED THERMOMETER

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YS-ET03 Non-contact infrared thermometer

with LCD display, non-contact measurment, over-temperature prompt, with memory function.

Description

1. Temperature measurement distance: 0cm-2cm.
2. Measuring range: 32.0°C- 42.2°C. Accuracy: (± 0.2°C-± 0.3°C).
3. Power supply: 2pcs AAA batteries (not included).
4. Infrared measurement, high and low temperature reminder, LCD display, 32 sets of memory, automatic power off.
5. Operating environment: temperature 10°C- 40°C. Humidity ≤85%RH.
6. Sizes: 166*39*40mm, weight: 68.6g.

One-button temperature measurement
Short press the measurement Key, the temperature value can be displayed in 1 second, accurate and fast.

Large LCD backlit screen for clear information
Provide clear information even in the dark.
°C and °F are easily switchable.

2 Colors Backlight

Get better noticed about your temperature and take corresponding actions as soon as possible.

High Fever

37.6°C-42.2°C

Normal

34°C-37.5°C

CE certification

Certificate of Conformity

Registration No.: A2003163-C01-R01

Applicant	:	**Hoco technology development (SHENZHEN) co., Ltd**
Address	:	**Rm 408, Block A, Weidonglong Business Building, 2125 Meilong Road, Tsinghua Community, Longhua Street, Longhua District, Shenzhen, P. R. China**
Product	:	**Infrared Thermometer**
Model No.	:	**YS-ET03**
Trademark	:	**hoco.**

The submitted products have been tested by us with the listed standards and found in compliance with the following European Directives:

The EMC Directive 2014/30/EU

EN 61000-6-3:2007 + A1:2011
EN 61000-6-1:2007

The tests were performed in normal operation mode, the test results apply only to the particular sample tested and to the specific tests carried out. This certificate applies specifically to the sample investigated in our test reference number only.
The CE markings as shown below can be affixed on the product after preparation of necessary technical documentation.
Other relevant Directives have to be observed.
This Co-license is based on report A2003100-C01-R01, the models in Co-license are the same as original models mentioned in test report A2003100-C01-R01 respectively except for license holder "Hoco technology development (SHENZHEN) co., Ltd" and trademark "hoco.", no further test need.

CE

Certified by:

March 23, 2020

SHENZHEN ALPHA PRODUCT TESTING CO., LTD. ALPHA TESTING

Shenzhen Alpha Product Testing Co., Ltd.
Building i, No.2, Lixin Road, Fuyong Street, Bao'an District,
518103, Shenzhen City, Guangdong Province, P.R. China
Website:http://www.a-lab.cn Email:service@a-lab.cn

0010215

VENTILATOR

- VG70
- YH-830

VENTILATOR VG70

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VENTILATOR VG70

An Optimal Combination of Invasive and Noninvasive Ventilator

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Product Description

Superior Mobile ICU ventilator

· Comprehensive ICU ventilator including BIVENT and PRVC
· Compact, big capacity battery, no air compressor, intra-hospital mobility
· Flexible device configuration: equipped on a trolley, bed or ceiling pendant

Cost Effective Solution

· Unique metal-based, autoclavable, heated exhalation valve
· Built-in flow sensor, non-consumable design
· Upgradeable ventilation system software, with an available USB port

Auto-detect and Adjust Leak Compensation

Automatically Adapt to Patient 's Breathing Pattern

Multi-parameter Monitoring

Optimal patient-ventilator synchrony, increase patient comfort
· The Unique Leak Compensation System - Keep precise control on the tidal volume of each breath delivered to the patient by adjusting compensation dosage automatically
· Advanced Trigger Technique - Enhance sensitivity, avoid spurious triggering

Safe Ventilation Through Whole Treatment Phase
Initial Treatment Phase
· Noninvasive ventilation mode associated with decreased intubation rates, shortened patient stays, improved patient comfort, and a reduced risk of cross infection
· Preset patient's height and IBW. Reduce clinician's workload

Stable Condition Phase
· PRVC and BIVENT employ lung-protective strategies, delivering intelligent ventilation
· Comprehensive lung mechanics monitoring include compliance, air way resistance, PEEPi and time constant
· Three waveforms & three loops with user-friendly display provide a continuous monitoring of the patient's condition

Weaning Phase
· Various ventilation modes enhance the weaning process
· The unique trigger and leakage compensation system safeguards each and every patient breath resulting in smooth and comfortable breathing, avoiding extra workload on the patient and promoting recovery
· RSBI and WOB provide accurate reference for weaning

Rehab Phase
· Data export port provides connection to hospital monitors and Patient Data Management Systems
· Provides pressure support for the patient when spontaneous breathing is present

RESPIRATOR VENTILATOR YH-830

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RESPIRATORY VENTILATORS YH-830

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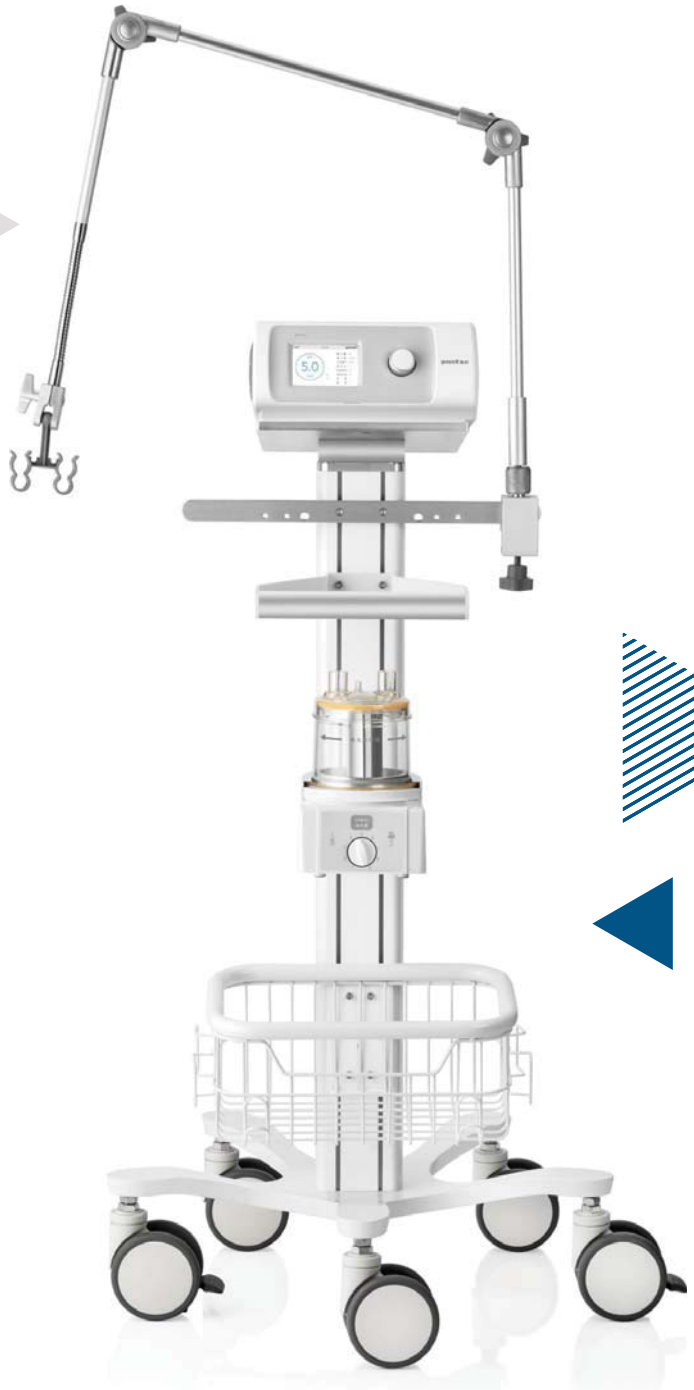
Respiratory Ventilators
YH-830

- Maximum inhale pressure 30cmH2O, with separate humidifier, better humidification
- With ST and target tidal volume mode settings
- Fast rise time
- Normal inhalation intensity, respiration rate is 54 times / min, and each exhalation triggers the ventilator perfectly. Easily keep in sync.
- Good synchronization with big flow



Description

The YH-830 Bi-level device is indicated for treatment of sleep apnea hyponea syndrome in patients weighing more than 66lb (30kg). It is intended both for home use and hospital use.

The water tank is intended for single patient use in the home environment and re-use in a hospital/institutional environment.

- Mode: CPAP, S, T, ST, VGPS
- Pressure: 4-30 cm H2O
- Trigger adjustment
- Cycle adjustment
- Slope adjustment
- Noise less than 32 dB(A)
- With YF-01 mask, humidifier and SD card
- Water tank and power adapter

Vented mask for NIV treatment

YF-01

Noise:<26 dBa
Vented mask
pressure range from 4-30 cmH2O

YF-02

Noise:<26 dBa
Vented mask
pressure range from 4-30 cmH2O

DECONTAMINATION SYSTEM

- ROOM DECONTAMINATION SYSTEM
- ECO AIRPROTECT

ROOM DECONTAMINATION SYSTEM

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ROOM DECONTAMINATION SYSTEM

TOTAL ASSET DECONTAMINATION

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THE TRIPLE PLAY

Effective against Covid-19

The only solution on the market to combine hands-free decontamination of rooms/facilities and vehicles with the ability to hand-spray equipment.

The **Room Decontamination System** uses to disinfect rooms, vehicles, and equipment with an EPA-approved, hospital- grade disinfectant at the push of a button.

Destroys Pathogens

Room Decontamination System represent the latest in decontamination technology. All our products use the proprietary Process, utilizing an EPA-approved hospital disinfectant, to decontaminate rooms, vehicles, and equipment as an adjunct to gross decontamination.

Proven effective against MRSA, HIV-1, Hepatitis B, Hepatitis C, Ebola, MERS, CRE, E. coli, Norovirus, H1N1, Legionella pneumophilia, Salmonella, Listeria, mold, mildew and more.

YES, it's effective against COVID-19

The **Room Decontamination System** is a rugged, lightweight and man-portable decontamination system that can effectively treat spaces up to 5,000 cubic feet. Larger spaces can be treated with multiple units.

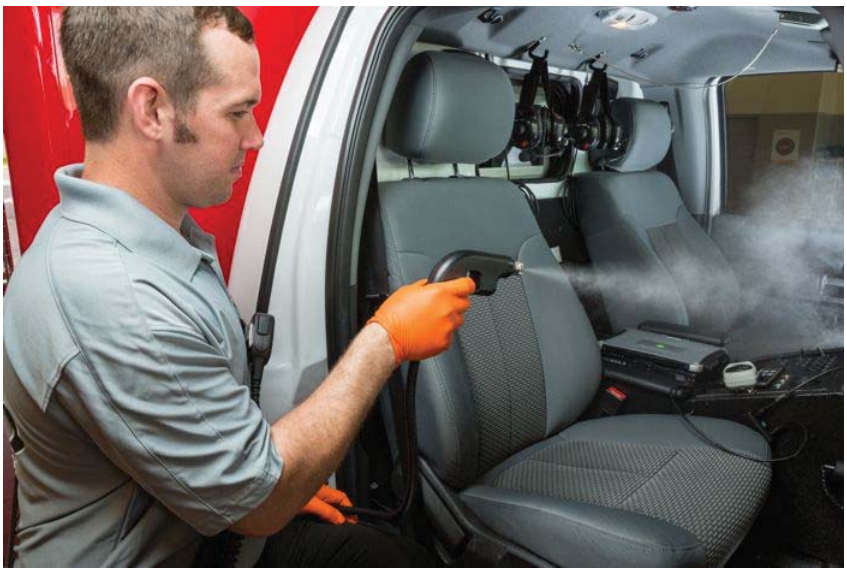
Weighing in at only 48 pounds, the **Room Decontamination System** is simple to use and requires minimal operator training. It is fully self-contained and can be set up and operating in minutes. The small form-factor allows it to be neatly tucked away until needed.

Breakthrough Process

The **Room Decontamination System** can be operated in either an aerosolized application mode for hands-free room decontamination or hand-applied mode using the optional Portable Applicator (PA)

.

The environmentally friendly disinfectant solution produces no harmful by-products for the environment, contains no VOC's and is 100% biodegradable. In addition, it is ready to use (RTU), so no mixing is required.



Any Asset, Anywhere, Anytime

The **Room Decontamination System** Triple Play capabilities means you are prepared for any situation

1 - Room Fogging
Hands-free disinfecting of an equipment room, bunk room, in under 30 minutes.

2 - Hand Spray
Hand application of disinfectant to vehicle exterior and cab, equipment, backboards and more.

3 - Vehicle Decon
Installed in the exterior compartment of an ambulance to provide decontamination directly to the patient compartment.

ECO
AIRPROTECT

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ECO AirProtect Portable
SINGLE BADGE

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Why Not
Sanitize Your Air?

ECO AirProtect Portable is the first of its kind personal air sanitizer!
This patented clip-on pouch is designed to slowly release the powerful antimicrobial agent chlorine dioxide, which can help provide protection against airborne pathogens.

What is ECO AirProtect?

ECO AirProtect Portable — the first of its kind personal air sanitizer!

- Contains sodium chlorite (NaClO2) as the active ingredient
- Releases chlorine dioxide (ClO2) gas
- Works for 30 days in a 3-foot radius
- Sold in pharmacies across the United States
- Endorsed by medical doctors and pharmacists
- Designed for travel, public interaction, and everyday life

ECO AirProtect highly recommends following all published CDC guidelines for cold, flu, and virus protection.

The Power of Chlorine Dioxide

With sodium chlorite (NaClO2) as the active ingredient, ECO AirProtect uses patented technology to release chlorine dioxide (ClO2) gas steadily for up to 30 days.

Strong Antibacterial Effect

Chlorine dioxide has two and a half times more oxidizing power than general chlorine agents used for disinfection.

Safe to Use

The concentration of chlorine dioxide emitted by ECO AirProtect Portable is considered safe and is approved by the World Health Organization (WHO).

Strong Deodorization

Chlorine dioxide also decomposes many particles that cause bad odors.

FEVER MASS CONTROL SYSTEM

- C4i-H300T
- C4i-HVRM10

C4i-H300T

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C4I-H300T

Temperature measurement security gate

outdoor use door frame metal detector gate with body temperature detection system

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INTRODUCTION

The temperature test security gate adopts a high-precision infrared temperature sensor with a sensing distance of 0.5-1 meters. It has high precision and high resolution and is immune to the environment and sunlight.

The measurement error at room temperature is 0.5 °C, and the resolution is 002 °C. The initial temperature setting is 37.3 ° C (adjustable). The actual body temperature of the human body is displayed when the detection door is in operation.

When the temperature exceeds 37.3 ° C, the ambient temperature of the venue is displayed when the alarm is passed. (Note: When the ambient temperature exceeds 37.3 °C, the temperature security door cannot work normally.)

The infrared temperature security door adopts a vertical structure. One infrared temperature probe is arranged vertically. Each probe is a fan-shaped test area to ensure 1.2-1.9 meters. It can be accurately detected within the height range.

Operation way： Simple version: infrared remote control, remote computer network operation network version (customized)

Detection area： According to the basic structure of the human body, the detection gate is divided into multiple overlapping detection areas, a mesh detection method and a single frequency excitation technology are used to eliminate the weak and blind areas in the detection area, with higher sensitivity and more stable performance.

Alarm Way： Audible and visual alarms, the speed of the sound can distinguish the size of metal objects, a variety of alarm volume modes are suitable for the choice of different occasions, the super bright LED alarm lights on the left and right of the doorpost can accurately display the prohibited items hidden at the corresponding height of the body.

Temperature measurement alarm： The real person sounds an alarm to indicate abnormal body temperature;

Area sensitivity：The highest sensitivity can detect metal content objects the size of paper clips, which can be adjusted between 0 and 255 levels of sensitivity. Each position adjuster can be adjusted to the appropriate sensitivity according to the detection requirements, and the overall sensitivity can be adjusted separately. Pre-set the weight, volume, size, and location of metal items, and exclude false alarms such as keys, jewelry, and belt buckles.

Techniques：Made of PVC synthetic material and special technology, waterproof and moisture-proof, luxurious and beautiful appearance, more suitable for large high-level places.

Intelligent statistics：Intelligent passenger flow and alarm counting function can automatically count the number of people passing and the number of alarms.

Strong anti-interference ability: adopt digital, analog and left-right balance technology to prevent false alarms and missed reports, greatly improving anti-interference ability Security protection: Double password protection, only authorized personnel are allowed to operate, passwords can be modified as needed, and password loss recovery settings are provided for higher security; parameter settings are automatically stored without the need for uninterruptible power supply protection, which is more secure and convenient . Electromagnetic radiation: It conforms to EMC electromagnetic radiation standards and uses weak magnetic field technology, which is harmless to pacemaker wearers, pregnant women, floppy disks, film, video tapes, etc.

Installation and debugging: The human body temperature and security inspection gate adopts an integrated design, which can be installed or disassembled in only 20 minutes, and is equipped with installation and commissioning operation instructions.

Application fields: airports, various conference venues, large-scale events, stations, terminals, entertainment venues, prisons, courts, important government departments, factories, test rooms, shopping malls, community access temperature measurement security inspections and prohibited items inspection areas.

Specifications：

- Power ：<35W
- Distance Rate：13：1
- Response time：2 seconds
- Weight：About 70kg
- Working Temp：-20℃-+45℃
- Basic accuracy：±0.5~2.0℃
- Infrared temperature measurement resolution：0.1℃/℉
- power supply：AC90V-250V 50HZ-60HZ
- Out of range prompt：Digital display temperature value, audible alarm
- Relative humidity：10-95%RH
- Appearance color: black, iron gray or other customized colors
- Dimensions：2200mm（H）*800mm（L）*500mm（W）
- Channel size：2010mm（H）*700mm（L）*500mm（W）
- Standard：GB15210-2003《General technical specifications for pass-through metal detectors》national standard

Notes

1- The normal temperature range of the human body

In a healthy state, if the diet is normal and the clothing is appropriate, the body temperature of the human body is generally relatively constant, usually maintained at about 37 ° C (approximately between 34.8 ° C and 37.8 ° C); the following are the reference values of normal

body temperature:

Mouth temperature：35.5°C ～ 37.4°C
Anal temperature：36.6°C ～ 37.7°C
Axillary temperature：35.1°C ～ 37.0°C
Ear temperature：35.8°C ～ 37.8°C
Forehead temperature：34.5°C ～ 36.5°C
However, because the temperature of the human body varies with age and environment, the above values are not exact values, they are just reference values.

2- Fever determination criteria for temperature of different parts of the human body

Mouth temperature： It takes five minutes to measure, and a fever above 37.4 ° C is considered a fever.

Anal temperature：It takes five minutes to measure, and a fever above 37.7° C is considered a fever.

Axillary temperature：It takes 10 minutes to measure, and a fever above 37° C is considered a fever.

Ear temperature：It takes a few seconds for the ear thermometer to measure the ear. A fever above 37.8 ° C is considered a fever.

Forehead temperature：It takes a few milliseconds for the thermal imager to measure the temperature on the forehead, and the fever is above 36.5 ℃ (emissivity set to 0.98).

Notes

Notes for temperature screening with infrared thermography：

(1) The exposed skin temperature of the human body is easily affected by the ambient temperature. When the person to be measured comes from a place with a large difference in

ambient temperature, the person to be measured should be kept in the room temperature environment for a long enough time. For example, at the airport in winter, measurements should be taken 5 to 10 minutes after the passenger arrives indoors. At this time, the external heat transfer conditions of the passenger's forehead have basically reached a steady state.

(2) When the device is taken out from the place where the temperature difference between the tested environment is large, the instrument should be placed in the tested environment for at least 20 minutes before use.

(3) The measurement place should be indoors, and avoid direct sunlight on the infrared camera and the surface of the person's forehead.

(4) The best temperature measurement point for human body temperature screening is the forehead. The optimal test distance should be kept at a distance of 5-10cm. When measuring the skin surface temperature of the forehead, make sure that the forehead area of the person under test is not blocked. If the measured area is covered by hair or other objects, it will affect the measurement result.

(5) Adult forehead temperature is generally 1 ~ 3 °C lower than underarm temperature. At this time, the criteria of fever underarm temperature should be converted to forehead temperature. The recommended standard is that an adult's forehead temperature above 36.5 °C is considered a fever.

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FEATURES

1. Face Capture, Thermal Imaging, Visible Light Smart Matching;

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3. Proprietary patented bold body that works for long periods of time without compromising accuracy;

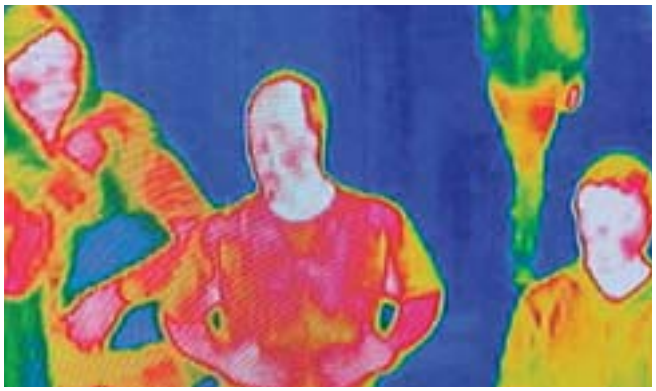
4. Small size, easy to install;

5. Set up virtual personnel channels to automatically screen for fever;

6. Three-level alarm settings, healthy people, re-inspection groups, hot crowd precision alarm;

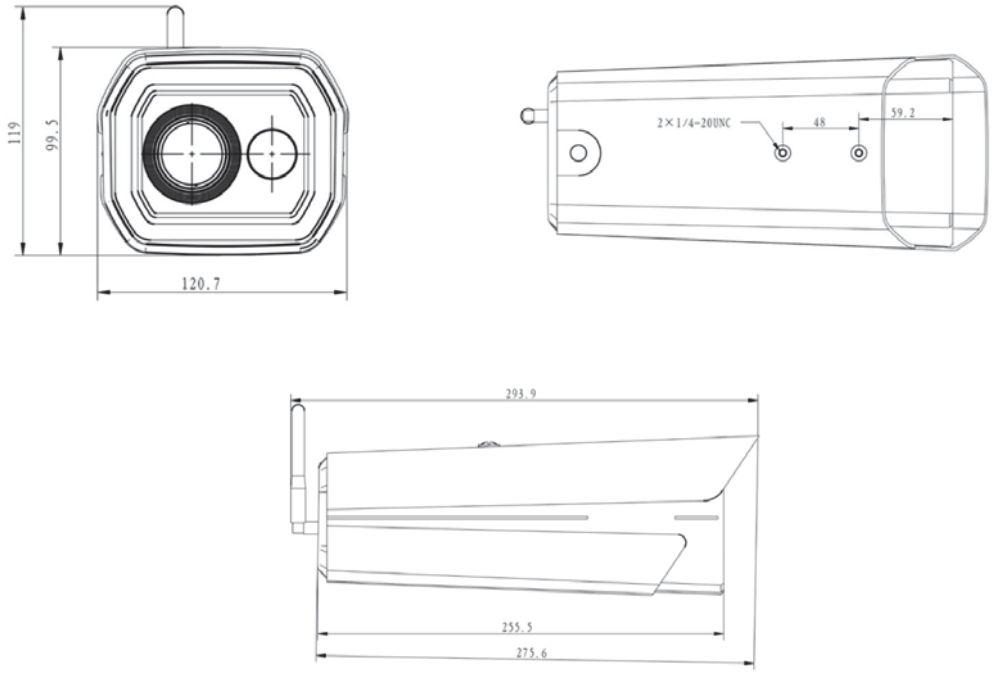
7. External blackbody, system measurement accuracy ≤±0.3°C;

8. Large field of view, multi-target precision identification tracking, up to 30 targets simultaneously, reduce leakage rate;



Application areas:

Large factories, large-scale business super-market, banks, schools, large offices and other human temperature measurement



Thermal camera

Resolution:	384*288
Pixel:	17μm
Focal length:	10mm
FOV:	37.6°*28.6°

Visible camera

Resolution:	1920*1080

Blackbody

Temperature stabilization accuracy	≤±0.2℃

Temperature Measurement

Range:	20℃~50℃
Temperature accuracy:	≤±0.3℃
Temperature correction:	Built-in and external black bodies, auto-correction

Camera housing

Protection grade:	IP65
External interface:	1*RJ45,1*DC12V

Software function

Temperature measurement:	Face recognition, Intelligent body temperature tracking measurement, Smart body temperature correction
Alarm/picture capture:	Level 3 alarm settings, Alarm capture, Sound alarm
Other parameter settings:	Video adjustment, Alarm temperature settings(3 levels), Full-screen mode settings, Image segmentation settings, Blackbody reference temperature settings etc.
Historical data queries:	Query /Processing historical alarm data,
Dual-sensor working together:	Thermal and visible camera working together intelligently, also alarm at the same time

Environment

Working Temperature:	0~30℃(16~30℃ high temperature accuracy)
Storage temperature:	-20~60℃
Working humidity:	90%(Non-condensation)

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