

Test Report issued under the responsibility of:



TEST REPORT
IEC 60335-2-15
Safety of household and similar electrical appliances
Part 2: Particular requirements for appliances for heating liquids

Report Number: 160501336SHA-001
Date of issue: 2016-05-23; Amendment 11: 2024-08-23
Total number of pages: 24 pages test report (include 11 pages of photographs)

Applicant's name.....: Ningbo Poogoo Electrical Appliance Co., Ltd.
Address: Puyan Village Ditang Street Yuyao Zhejiang China

Test specification:
Standard: EN 60335-2-15:2016+A11:2018+A1:2021+A2:2021+A12:2021
EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A2:2019+
A14:2019+A15:2021+A16:2023
EN 62233:2008
Test procedure: --
Non-standard test method.....: N/A

Test Report Form No......: IEC60335_2_15I
Test Report Form(s) Originator.....: IMQ S.p.A.
Master TRF: Dated 2012-03

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Test item description: Water Kettle
Trade Mark: -
Manufacturer: Same as applicant
Model/Type reference: PK-1001, PK-1008, PK-1010, PK-1008C, PK-1009, PK-1009C, PK-3008, PK-3010, PK-S1401, PK-S1401E, PK-S1408, PK-S1406, PK-3068, PK-S1468, PK-S1468E, PK-S1478, PK-S1428, PK-S1458, PK-S1488, PK-3018B, PK-3018
Ratings: 220-240V~, 50/60Hz, Class I
PK-1001: 750-900W;
PK-1008, PK-1010, PK-1008C, PK-1009, PK-1009C, PK-3008, PK-3010, PK-S1406, PK-S1468, PK-S1468E, PK-S1478, PK-S1428, PK-S1458, PK-S1488, PK-3018B, PK-3018: 1850-2200W
PK-S1401, PK-S1401E: 1680-2000W;
PK-S1408, PK-3068: 1350-1600W

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	Testing Laboratory:	Intertek Testing Services (Shanghai FTZ) Co., Ltd.
Testing location/ address		Building No.86, 1198 Qinzhou Road (North), Shanghai, 200233, China
<input type="checkbox"/>	Associated CB Laboratory:	N/A
Testing location/ address		
Tested by (name + signature).....:		Andy Huo 
Approved by (name + signature) ..:		Wayle Chen 
<input type="checkbox"/>	Testing procedure: TMP	N/A
Testing location/ address		
Tested by (name + signature).....:		N/A
Approved by (name + signature) ..:		N/A
<input type="checkbox"/>	Testing procedure: WMT	N/A
Testing location/ address		
Tested by (name + signature).....:		N/A
Witnessed by (name + signature) ..:		N/A
Approved by (name + signature) ..:		N/A
<input type="checkbox"/>	Testing procedure: SMT	N/A
Testing location/ address		
Tested by (name + signature).....:		N/A
Approved by (name + signature) ..:		N/A
Supervised by (name + signature):		N/A
<input type="checkbox"/>	Testing procedure: RMT	N/A
Testing location/ address		
Tested by (name + signature).....:		N/A
Approved by (name + signature) ..:		N/A
Supervised by (name + signature):		N/A

<p>List of Attachments (including a total number of pages in each attachment):</p> <p>None</p>	
<p>Summary of testing:</p> <p>From the result of our inspection and tests on the submitted samples, we conclude that they comply with the requirements of the standards.</p> <p>Determination of the test conclusion is based on IEC Guide 115 in consideration of measurement uncertainty</p> <p>The (EU) 2015/1143 has been considered, the appliance is not intended to heat milk, coffee, or similar and there is no overflow risk during normal operation.</p>	
<p>Tests performed (name of test and test clause):</p> <p>Refer to description for Amendment 11 (page 5) for details.</p>	<p>Testing location:</p> <p>Building No.86, 1198 Qinzhou Road (North), Shanghai, 200233, China</p>
<p>Summary of compliance with National Differences</p> <p>List of countries addressed: Germany, UK, Italy</p> <p><input checked="" type="checkbox"/> The product fulfils the requirements of <u>EN 60335-2-15:2016+A11:2018+A1:2021+A2:2021+A12:2021 used in conjunction with EN 60335-1:2012+A11:2014+A13:2017+ A1:2019+A2:2019+A14:2019+A15:2021+A16:2023 and EN 62233:2008</u></p>	
<p>Copy of marking plate: (representative)</p> <p>Marking of kettle body and its stand:</p> <div style="border: 1px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p>PK-S1401</p> <p>220-240V~ 50/60Hz 1680-2000W</p> <p>    </p> <p>Ningbo Poogoo Electrical Appliance Co., Ltd Puyan Village Ditang Street Yuyao Zhejiang China</p> </div> <p>Remark: The date of manufacture (year-month) is marked below the marking plate only for PK-3018, PK-3018B.</p> <p>Notes: When the equipment is vended to EU, then name and address of the importer or authorized representative within the EEA shall be added on the equipment.</p>	

Test item particulars	
Classification of installation and use	Class I, household and similar application
Supply Connection	Cord connection, type Y attachment
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	2024-08-20
Date (s) of performance of tests	2024-08-21 to 2024-08-23
General remarks:	
<p>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 Issuing testing laboratory. "(see Enclosure #)" refers to additional information appended to the report. "(see appended table)" refers to a table appended to the report. Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</p> <p>This test report should be read in conjunction with the Construction Data Form (CDF). Appendix: Constructional Data Form (CDF)</p> <p>AfPS GS 2019:01 PAK is considered and passed, please refer to PAH test report 200601844SHA-001-PAH, 200601844SHA-001-PAH+A1, 200601844SHA-001-PAH+A2, 200601844SHA-001-PAH+A3, 200601844SHA-001-PAH+A4, 200601844SHA-001-PAH+A5 for detail.</p> <p>No obvious or conspicuous PAK/PAH issues was observed.</p> <p>This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.</p>	
Manufacturer's Declaration per sub-clause 6.2.5 of IEC60335-1:	
<p>The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable</p>	
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies)	Ningbo Poogoo Electrical Appliance Co., Ltd Puyan Village Ditang Street Yuyao Zhejiang China

General product information:

The appliance covered in this report is water kettle for household and similar application.

All models incorporate temperature limiter and temperature controller to safeguard the appliances to safeguard itself.

All models characteristic refer to the following description:

1. PK-1008C, PK-1009C, PK-1001 has no base and others have.
2. As capacity:
 - PK-S1401, PK-1001, PK-S1401E, PK-3068 which capacity are 1, 0 litre.
 - PK-S1408, which capacity is Max.1, 0 litre and Min.0, 5 litre
 - PK-1008, PK-1010, PK-1008C, PK-1009, PK-1009C, PK-3008, PK-3010, PK-S1406, PK-S1478, PK-S1428, PK-S1458, PK-S1488, PK-3018B, PK-3018 which capacity are 1, 7 litre.
 - PK-S1468, PK-S1468E, which capacity are 2, 0 litre.
3. PK-S1401 is same as PK-S1401E. Except for PK-S1401E has a mechanical thermometer. Same as PK-S1468 and PK-S1468E.
4. PK-1001, PK-1008, PK-1010, PK-3018, PK-1008C, PK-1009, PK-1009C, PK-3008, PK-3010, PK-S1468 are different at the appearance and heating element.
5. PK-S1406 is same as PK-S1408 except the different appearance.
6. PK-S1478 has stainless steel bottle with plastic enclosure, other models have same material for bottle and enclosure.
7. PK-S1458 is same as PK-S1488, except lid, hand and base.
8. PK-S1428 is same as PK-S1458, except appearance and temperature limiter position.
9. PK-3018 and PK-3018B are same except the enclosure, PK-3018 has a smooth enclosure but PK-3018B has wave patterns on enclosure.

Amendment 11:

The original test report ref. 160501336SHA-001 issued on 2016-05-23, with amendment 1 dated on 2016-11-01, with amendment 2 dated on 2018-07-05, with amendment 3 dated 2019-04-16, with amendment 4 dated 2019-10-17, with amendment 5 dated 2020-06-22, with amendment 6 dated 2021-03-22, with amendment 7 dated 2023-04-23, with amendment 8 dated 2023-09-18, with amendment 9 dated 2023-10-12, with amendment 10 dated 2024-04-10, was modified on 2024-08-23 to include the following changes and additions:

1. Changed the model's name of PK-3018 to PK-3018B.
2. Added a new model PK-3018.
3. Added alternative plug, supply cord for all models.
4. Updated the table 24.1 and PAH report.

After review and checking, new added model PK-3018 subjected to relevant tests,

Clauses Concerned: Cl.7, Cl.10, Cl.13 and 17 photos need to be concerned. Other clause which not mentioned in the report was referred to original test report.

Tables Concerned: 10.1, 13.2, 13.3, 24.1.

IEC 60335-2-15			
Clause	Requirement - Test	Result - Remark	Verdict
7	MARKING AND INSTRUCTIONS		
7.1	Rated voltage or voltage range (V) :	Refer to marking	P
	Symbol for nature of supply, or :	Refer to marking	P
	Rated frequency (Hz) :	Refer to marking	P
	Rated power input (W), or :	Refer to marking	P
	Rated current (A) :		N/A
	Manufacturer's or responsible vendor's name, trademark or identification mark :	Refer to marking	P
	Model or type reference :	Refer to marking	P
	Symbol IEC 60417-5172, for class II appliances		N/A
	IP number, other than IPX0..... :		N/A
	Symbol IEC 60417-5180, for class III appliances, unless		N/A
	the appliance is operated by batteries only		N/A
	Symbol IEC 60417-5036, for the enclosure of electrically-operated water valves in external hose-sets for connection of an appliance to the water mains, if the working voltage exceeds extra-low voltage		N/A
	Appliances intended to be partially immersed in water for cleaning, marked with the maximum level of immersion and with the substance of the following: "Do not immerse beyond this level" (IEC 60335-2-15:2002)		N/A
	For kettles : level mark or other means which indicate the rated capacity (IEC 60335-2-15:2002)		P
	Unless they cannot be filled beyond their rated capacity (IEC 60335-2-15:2002)		N/A
	Mark outside of the kettle if the level is not self-evident (IEC 60335-2-15:2002)		P
	Marking on the appliance of the closed position of the lid of pressure cooker, if it is not obvious (IEC 60335-2-15:2002)		N/A
	Identification mark and model or type reference of stand for cordless kettles (IEC 60335-2-15:2002)		P
7.3	Range of rated values marked with the lower and upper limits separated by a hyphen	Refer to marking	P
	Different rated values marked with the values separated by an oblique stroke	Refer to marking	P

IEC 60335-2-15			
Clause	Requirement - Test	Result - Remark	Verdict
7.5	Appliances with more than one rated voltage or one or more rated voltage ranges, marked with rated input or rated current for each rated voltage or range, unless		P
	the power input is related to the arithmetic mean value of the rated voltage range		N/A
	Relation between marking for upper and lower limits of rated power input or rated current and voltage is clear		P
7.6	Correct symbols used		P
	Symbol for nature of supply placed next to rated voltage		P
	Symbol for class II appliances placed unlikely to be confused with other marking		N/A
	Units of physical quantities and their symbols according to international standardized system		P
7.8	Except for type Z attachment, terminals for connection to the supply mains indicated as follows:		
	- marking of terminals exclusively for the neutral conductor (letter N)		N/A
	- marking of protective earthing terminals (symbol IEC 60417-5019)		P
	- marking not placed on removable parts		P
7.9	Marking or placing of switches which may cause a hazard		P
7.10	Indications of switches on stationary appliances and controls on all appliances by use of figures, letters or other visual means	Use figures "0" and "1"	P
	This applies also to switches which are part of a control		P
	If figures are used, the off position indicated by the figure 0		P
	The figure 0 indicates only OFF position, unless no confusion with the OFF position		P
7.12	Instructions for safe use provided		P
	Details concerning precautions during user maintenance		P
	The instructions state that:		

IEC 60335-2-15			
Clause	Requirement - Test	Result - Remark	Verdict
	- the appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction	Replaced by of EN60335-2-15/A11:2012	N/A
	- children being supervised not to play with the appliance	Replaced by of EN60335-2-15/A11:2012	N/A
	For a part of class III construction supplied from a detachable power supply unit, the instructions state that the appliance is only to be used with the unit provided		N/A
	Instructions for class III appliances state that it must only be supplied at SELV, unless		N/A
	it is a battery-operated appliance, the battery being charged outside the appliance		N/A
	Appliance incorporating an appliance inlet and intended to be immersed for cleaning, instructions include the following : (IEC 60335-2-15:2002)		
	- the connector must be remove before cleaning		N/A
	- the appliance inlet must be dried before the appliance is used again		N/A
	The instructions for use for appliances intended to be used with a connector incorporating a thermostat, state that only the appropriate connector must be used (IEC 60335-2-15:2002)		N/A
	Unless, kettles are constructed so that a hazard cannot arise from boiling water being ejected, the instructions for use include the following: (IEC 60335-2-15:2002)		
	- if the kettle is overfilled, boiling water may be ejected		P
	The instructions for use for kettles filled through a lid aperture which is situated below the handle, include the substance of the following: (IEC 60335-2-15:2002)		
	- Warning: "Position the lid so that steam is directed away from the handle"		N/A
	- Warning: "Do not remove the lid while the water is boiling"		N/A
	Instructions for cordless kettles state that the kettle is only to be used with the stand provided (IEC 60335-2-15:2002)		P
	If the kettle and stand of cordless kettles can be lifted together by gripping the handle of the kettle, the instructions for use include the substance of the following: (IEC 60335-2-15:2002)		
	- "Caution - Ensure that the kettle is switched off before removing it from its stand"		N/A
	Instructions for feeding bottle heaters:		

IEC 60335-2-15			
Clause	Requirement - Test	Result - Remark	Verdict
	- state that the food should not be heated for too long a period		N/A
	- state how to check that the correct food temperature has not been exceeded		N/A
	The instructions for use for appliances normally cleaned after use and not intended to be immersed in water for cleaning, state that the appliance must not be immersed (IEC 60335-2-15:2002)		P
	Instruction for pressure cooker : (IEC 60335-2-15:2002)		
	- state that the ducts in the pressure regulator allowing the escape of steam should be checked regularly to ensure that they are not blocked		N/A
	- give details of how to open the container safely, and		N/A
	- state that the container must not be opened until the pressure has decreased sufficiently		N/A
	The instructions for use for egg boilers provided with a pricking device contain the substance of the following : (IEC 60335-2-15:2002)		
	- Caution: "Avoid injuries from the egg pricker"		N/A
	Instructions for espresso coffee-makers incorporating a pressurized reservoir filled by the user: (IEC 60335-2-15:2002)		
	- contain information for the safe refilling of the water reservoir and the substance of the following: (IEC 60335-2-15/A1:2005)		N/A
	- WARNING: The filling aperture must not be opened during use		N/A
	The instructions including the substance of the following : (IEC 60335-2-15/A2:2008)		
	This appliance is intended to be used in household and similar applications as:		
	- staff kitchen areas in shops, offices and other working environments		P
	- farm houses		P
	- by clients in hotels, motels and other residential type environments		P
	- bed and breakfast type environments		P
7.12.5	Replacement cord instructions, type X attachment with a specially prepared cord		N/A
	Replacement cord instructions, type Y attachment		P
	Replacement cord instructions, type Z attachment		N/A
7.13	Instructions and other texts in an official language	English & German	P

IEC 60335-2-15			
Clause	Requirement - Test	Result - Remark	Verdict
7.14	Marking clearly legible and durable, rubbing test as specified		P
7.15	Markings on a main part		P
	Marking clearly discernible from the outside, if necessary after removal of a cover		P
	For portable appliances, cover can be removed or opened without a tool		N/A
	For stationary appliances, name, trademark or identification mark and model or type reference visible after installation		N/A
	For fixed appliances, name, trademark or identification mark and model or type reference visible after installation according to the instructions		N/A
	Indications for switches and controls placed on or near the components. Marking not on parts which can be positioned or repositioned in such a way that the marking is misleading		P
10	POWER INPUT AND CURRENT		
10.1	Power input at normal operating temperature, rated voltage and normal operation not deviating from rated power input by more than shown in table 1 :	(see appended table)	P
	Test carried out at upper and lower limits of the ranges for appliances with one or more rated voltage ranges, unless		P
	the rated power input is related to the arithmetic mean value		N/A
13	LEAKAGE CURRENT AND ELECTRIC STRENGTH AT OPERATING TEMPERATURE		
13.1	Leakage current not excessive and electric strength adequate		P
	Heating appliances operated at 1.15 times the rated power input (W):	Same as Cl.11.4	P
	Motor-operated appliances and combined appliances supplied at 1.06 times the rated voltage (V):		N/A
	Protective impedance and radio interference filters disconnected before carrying out the tests		N/A
13.2	For class 0, class II and class III appliances, leakage current measured by means of the circuit described in figure 4 of IEC 60990	Class II construction	P
	For other appliances, a low impedance ammeter may be used	Class I	P

IEC 60335-2-15			
Clause	Requirement - Test	Result - Remark	Verdict
	Leakage current measurements:	(see appended table)	P
13.3	The appliance is disconnected from the supply		P
	Electric strength tests according to table 4:	(see appended table)	P
	No breakdown during the tests		P

10.1	TABLE: Power input deviation					P
Input deviation of/at:	P rated (W)	P measured (W)	dP (W, %)	Required dP (W, %)	Remark	
PK-3018	1850	1815	-1,9%	-10%~+5%	Supplied at 220V	
	2200	2171	-1,3%	-10%~+5%	Supplied at 240V	

13.2	TABLE: Leakage current		P
	Heating appliances: 1.15 x rated input (W).....:	Refer to Cl.11.8	—
	Motor-operated and combined appliances: 1.06 x rated voltage (V).....:	N/A	—
Leakage current between		I (mA)	Max. allowed I (mA)
L/N - Earthing metal parts		Max. 0,05	0,75
L/N - Non-earthing enclosure		Max. 0,01 peak	0,35 peak
L/N - Knob/handle		Max. 0,01 peak	0,35 peak

13.3	TABLE: Electric strength		P
Test voltage applied between:		Voltage (V)	Breakdown (Yes/No)
Parts isolated with basic insulation		1000	No
Parts isolated with supplement insulation		1750	No
Parts isolated with reinforced insulation		3000	No

24.1	TABLE: Components information					P
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity	
Plug	Ningbo Chaoyu Electric Appliance Co., Ltd.	CY03	AC250V, 16A DIN 49441-R2	DIN VDE 0620-2-1	VDE*/ 40036307	
-alternative	Ningbo Chaoyu Electric Appliance Co., Ltd.	CY03-F	AC250V, 16A, IP44 DIN 49441-2-AR2	DIN VDE 0620-2-1	VDE*/ 40036472	
-alternative	Ningbo Shunmin Electric Co., Ltd.	SM003F	AC250V, 16A, IP44 DIN 49441-2-AR2	DIN VDE 0620-2-1	TUV*/ R 50579992	
-alternative	Ningbo Guce Wire & Cable Co.,Ltd	GC-03 (GUCE)	AC250V, 16A DIN 49441-R2	DIN VDE 0620-2-1	TUV*/ R 50455885	
Supply cord	Ningbo Chaoyu Electric Appliance Co., Ltd.	H05VV-F	3x0,75 mm ² with green/yellow conductor, length < =0,75m	EN 50525-2-11	VDE*/ 40034480	

-alternative	Ningbo Shunmin Electric Co., Ltd.	H05VV-F	3x0,75 mm ² with green/yellow conductor, length < =0,75m	EN 50525-2-11	TUV*/ R 50566391
-alternative	Ningbo Guce Wire & Cable Co.,Ltd	H05VV-F	3x0,75 mm ² with green/yellow conductor, length < =0,75m	EN 50525-2-11	TUV*/ R 50455188
Other refer to last CDF for detail					

Photo 1.

Description: Over view of PK-3018B



Photo 2.

Description: Over view of PK-3018B



Photo 3.

Description: Side view of PK-3018B



Photo 4.

Description: Front view of PK-3018B



Photo 5.

Description: Top view of PK-3018B



Photo 6.

Description: Bottom view of PK-3018B

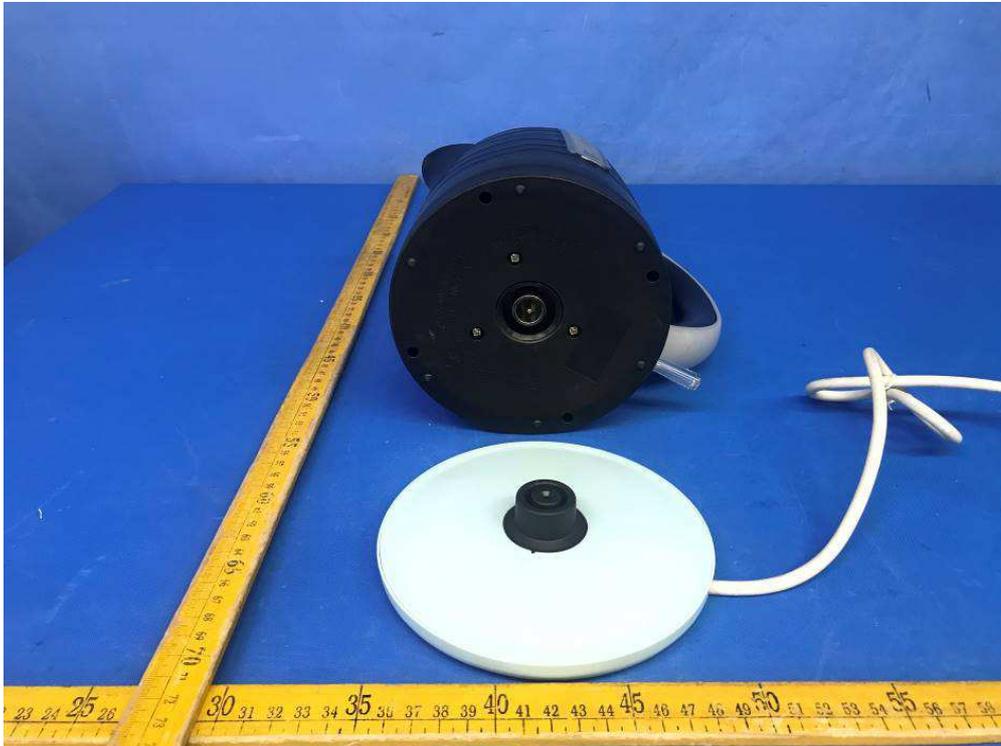


Photo 7.

Description: Switch knob view of PK-3018B



Photo 8.

Description: Lid open view of PK-3018B, PK-3018



Photo 9.

Description: Internal view of PK-3018B



Photo 10.

Description: Internal view of PK-3018B, PK-3018



Photo 11.

Description: Stand view of PK-3018B, PK-3018



Photo 12.

Description: Internal stand view of PK-3018B, PK-3018

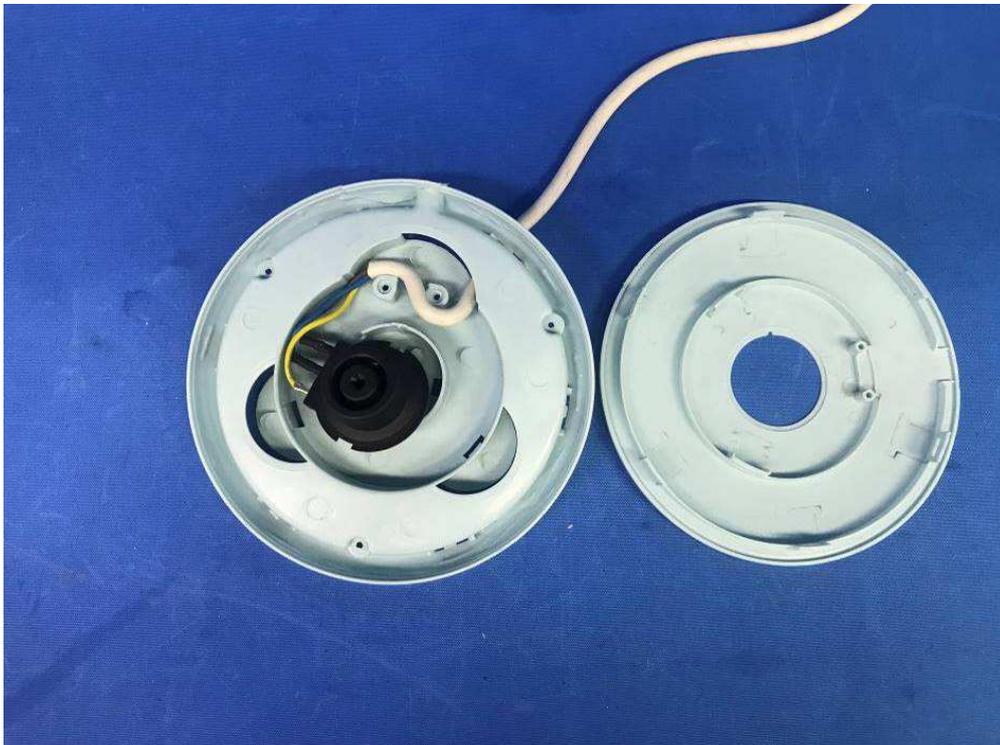


Photo 13.

Description: Earthing view of PK-3018B, PK-3018



Photo 14.

Description: Over view of PK-3018



Photo 15.

Description: Over view of PK-3018



Photo 16.

Description: Side view of PK-3018



Photo 17.

Description: Front view of PK-3018



Photo 18.

Description: Over view of PK-3018



Photo 21.

Description: Internal view of PK-3018

