



시험 성적서

제 1454 - 168 호
(접수일자:2004.06.21)

회사명 : 이 테 크(주)

주소 : 경기도 부천시 원미구 약대동 192 부천테크노파크 202-80

대표자 : 김 일 중

1. 시험 품 명 : 무 전 기
2. 형 식/규 격 : IP60 (DC 7.5 V)
3. 수 량 : 2개
4. 제 조 회 사 : 이테크(주)
5. 시 험 기 준 : KS C IEC 60529(2002) & IEC 60529 (2001)
6. 시 험 결 과 : IP55 (TEST REPORT 참조 : R1454-168/23-JUNE-2004)
7. 시 험 조 건 : 22.5 °C, RH61 %
8. 참 고 사 항 : 없음.

위는 본원에서 발급한 시험성적서임을 증명함.

2004 년 06 월 23 일

산업기술시험원장



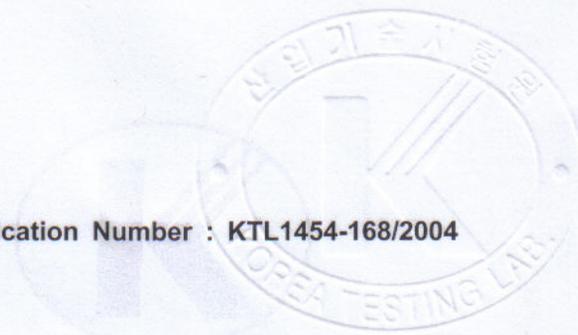
본 성적서는 의뢰자가 본원에 제출한 시험품에 국한된 시험결과이며, 본원의 서면 승인없이 일부만 복사하여 사용할 수 없음.

TEST REPORT

for Degree of protection provided by enclosures (IP Code)

[No. R1454-168/23-JUNE-2004]

Application Number : KTL1454-168/2004



KOREA TESTING LABORATORY

222-13, Guro-Dong, Guro-Gu 152-053 Korea <http://www.ktl.re.kr>

TEST REPORT

for Degree of protection provided by enclosures(IP Code)

- ★ REPORT NUMBER : R1454-168/23-JUNE-2004
- ☆ STANDARD :
1. KS C IEC 60529 (2002)
 2. IEC 60529 (2001)
- ☆ PRODUCT NAME : Transceiver
- ☆ MODEL/TYPE DESIGNATION : IP60 (DC 7.5 V)
- ☆ IDENTICAL(EXTENSION) MODEL : IP100, IP200, IP400
- ☆ APPLICANT : E-TECH Co., Ltd.
- ☆ MANUFACTURED by : E-TECH Co., Ltd.

1. General requirements for tests

1. ATMOSPHERIC CONDITIONS FOR WATER OR DUST TESTS

- 1.1 Temperature range : 15 ℃ to 35 ℃ → 22.5 ℃
- 1.2 Relative humidity : 25 % to 75 % → 61 %
- 1.3 Air pressure : 86 kPa to 106 kPa → Good

2. TEST SAMPLE

- 2.1 The number of samples : 2 EA
- 2.2 Conditions for mounting, assembling and positioning of the samples : N/A
- 2.3 The pre-conditioning : N/A
- 2.4 Whether to be tested energized or not : NOT
- 2.5 Whether to be tested with its parts in motion or not : NOT

Characteristic numerals	Test Method & Record	Results
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2. Tests for protection against solid foreign objects indicated by the first characteristic numeral

★ First Characteristic numerals : 5	1. CONDITIONS 1.1 Talcum powder(mesh) : <u>Wire diameter=50μm, width between wires=75μm</u> 1.2 Amount of talcum powder of the test chamber : <u>2kg per cubic meter</u> 2. TEST 2.1 Volume of the enclosures : <u>about 70 cm³</u> 2.2 Reduction air pressure : <u>-0.8 mbar (-8mmH₂O)</u> 2.3 Flow rate : <u>0.07 LPM</u> 2.4 Extraction rate per hour : <u>60 volumes/h</u> 2.5 Test duration : <u>2 hours</u>	PASS
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3. Tests for protection against water indicated by the second characteristic numeral

★ Second Characteristic numerals : 5	1. CONDITIONS 1.1 Internal diameter of the nozzle : <u>6.3mm</u> 1.2 Delivery rate : <u>12.5 LPM \pm 5%</u> 1.3 Core of the substantial stream : <u>circle of 40mm diameter at 2.5m distance from nozzle</u> 1.4 Distance from nozzle to enclosure surface : <u>between 2.5m & 3m</u> 2. TEST 2.1 The duration of the test is : <u>3 min</u>	PASS
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☆ Checked by Chang-Ho, Kim : Signature Chang-Ho Kim

☆ Date (DD-MM-YY) : 23-JUNE-2004