



TAE KWANG ELECTRONICS

전기 · 전자의 정확한 계측은 'Chekman' 테스터로!
Electric & Electronic Tester by 'Chekman' brand!



www.chekman.com



신용을 제일로 하는
태광전자정밀산업사
TAE KWANG ELECTRONICS CO.

Greetings / 인사말

항상 당사의 제품을 애용해 주시는 고객 여러분께 감사 드립니다.

태광전자정밀산업사는 전기·전자의 기본인 각종 정밀 계측기를 생산하는 전문메이커로 오랜 전통과 축적된 기술력으로 고객 여러분의 요구에 만족되는 정확하고 튼튼한 제품을 만들 것을 약속 드립니다.

또한 항상 도전하는 정신과 꾸준한 연구개발을 통해 세계제일의 제품과 비교해도 뒤지지 않는 제품을 만들겠습니다.

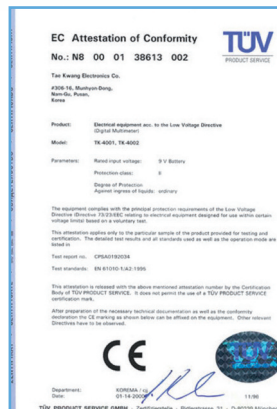
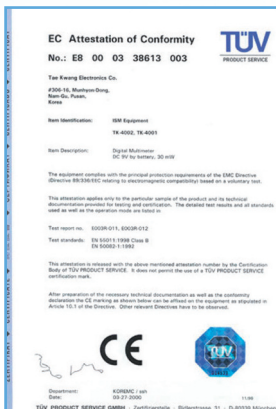
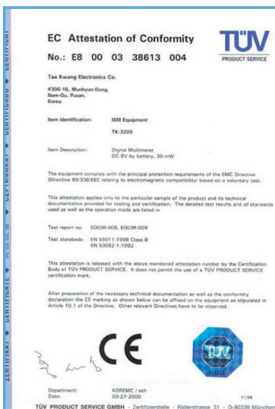
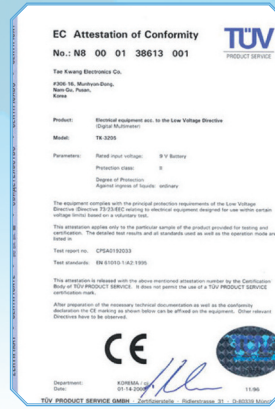
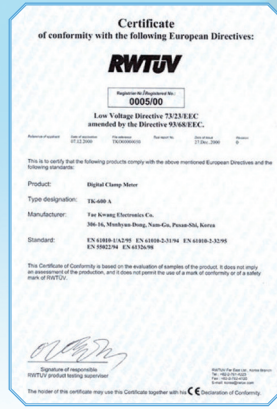
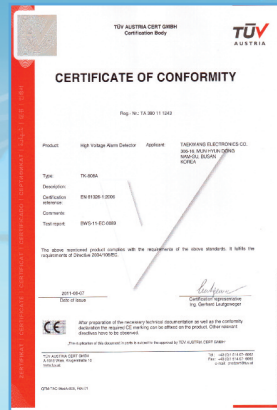
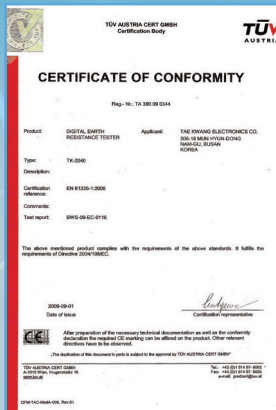
Over the past thirty-some years since 1973, TAEKWANG "CHEKMAN", as a special maker of precision instruments and various multi-tester, The basic of electronic and electric. Will do our best to produce strong and accumulate technique. Our company will produce the best products in the world with continuance R&D and the constancy spirit of challenge. We will born again as affection and the confidence TAEKWANG "CHEKMAN" by your more encouragement and boost from now on.

Company History

- 1986 Established and register the brand name of "TAE KWANG"
Launch production of "ANALOG MULTIMETER"
- 1988 Develop analog insulation testers(TKM-9106, 9107, 9108)
- 1990 Develop analog multimeter with fuse protection
Digital multimeter with 1999 count
- 1992 Develop analog multimeter with 'hFE' checker(TM-502TR, TM-504TRN)
- 1993 Develop analog clamp meter(AC300A/5001, AC600A/5002)
- 1995 Develop digital multimeter (TK-3204), pocket D.M.M.(TK-3201)
- 1997 Started international business
Develop new type insulation tester(TKM-910, TKM-920)
Develop digital multimeter(TK-3204, TK-3201) and acquire 'CE' marking approval
- 1998 Develop automatic earth tester & voltage detectors
(TKE-1030 & TK-1500V, TK-8030, TK-8007)
- 1999 Registered brand name 'CHEKMAN'
Develop digital multimeter(TK-3204A, TK-3205, TK-4001, TK-4002)
and 'CE' marking approval(CERTIFICATE OF TUV)
Develop new type pocket D.M.M.(TK-3200A)
Develop wireless sense gatekeeper(TK-102, TK-103)
- 2000 Opened web site <http://www.chekman.com>
Develop digital AC1000A clamp meter(TK-1000A)
Develop digital insulation tester(TK-4004, TK-4005)
and 'CE' marking approval
- 2001 Develop AC/DC 2000A digital clamp meter(TK-2000AD)
Develop AC/DC 600A digital clamp meter(TK-601AD)
Develop digital earth tester(TK-2040)
Develop compact type AC600A digital clamp meter(TK-600A)
and 'CE' marking approval
- 2003 Develop band type voltage detector(TK-808A) and sensor light(TK-106)
- 2004 Develop new digital insulation tester with DCV measurement(TK-4003)
and compact size digital multimeter(TK-201, TK-202)
- 2005 Develop new type digital earth tester(TK-2050)
- 2006 Develop new type digital insulation multimeter (TK-7010)
Develop ceramic soldering iron (TK-130P, TK-130G)
Develop voltage detector (TK-300V)
- 2007 Develop portable infrared thermometer(TESTEK-307)
Develop digital hygro-thermometer(TESTEK-303A)
- 2008 Develop compact type AC600A digital clamp meter(TESTEK-86A)
- 2009 Develop pen-type voltage detector(TK-5060)
Develop portable infrared thermometer(TK-306IR)
- 2010 Develop portable infrared thermometer(TK-307A)
- 2011 Develop new type pocket D.M.M(TK-3211, TK-3212A)
Develop digital temperature controller TK7 Series(TK7000, TK7001, TK7002, TK7003)
Develop digital panel meter TM6(TM6-AV550, TM6-AA5)
Develop portable infrared thermometer(TK-308, TK-309, TK-310)
- 2012 Develop gas soldering iron(TK-911)
Develop clamp on-ground resistance tester(TK-2060, TK-2061)
Develop phase rotation tester(TK-107)
- 2013 Develop compact size digital multimeter(TK-3300A)
- 2014 Develop digital multimeter(TESTEK-830)
Develop digital thermometer(TK-305, TESTEK-301)

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세계 주요 수출국



SAUDI ARABIA, LIBYA, IRAN, EGYPT, VIETNAM, INDONESIA, MALAYSIA, SINGAPORE, JAPAN, USA, MEXICO, COLOMBIA, BRAZIL, ARGENTINA, KENYA, UAE and 10COUNTRIES



TK-4002

CE CAT-II

디지털 멀티미터 (PORTABLE DIGITAL MULTIMETER)



- 편리하고 안전한 홀스터
- 3% DIGIT, 4000 COUNT
- 고속 바 그래프
- 과부하 보호기능
- 자동전원 잠금기능(15분)
- 온도 측정기능
- 교류 실효치 측정기능
- 콘덴서 측정기능
- 주파수 측정기능
- 최소/최대 측정기능
- 레인지 홀드기능
- 데이터 홀드기능

- CONVENIENT & SAFETY HOLSTER
- 3% DIGIT, 4000 COUNT
- HIGH SPEED BAR-GRAPH
- OVER LOAD PROTECTION
- AUTO POWER OFF(15MIN.)
- TEMPERATURE MEASUREMENT
- TRUE RMS FUNCTION
- CAPACITANCE MEASUREMENT
- FREQUENCY MEASUREMENT
- MIN/MAX FUNCTION
- RANGE HOLD
- DATA HOLD

SPECIFICATIONS

- DCV 400mV/4V±(1%+3DGT)
40/400V±(1%+3DGT)
1000V±(2%+5DGT)
- ACV 400mV/4V/40V/400V±(1%+3DGT)/
750V±(2%+5DGT)
- OHMS 400Ω/4KΩ/40KΩ/400KΩ±(0.8%+6DGT)
4MΩ±(1%+2DGT)
40MΩ±(2.5%+2DGT)
- DCA 40mA/400mA±(0.5%+2DGT)
10A±(3%+6DGT)
- ACA 40mA/400mA±(1.5%+3DGT)
10A±(3%+6DGT)
- DIODE OPEN VOLTAGE 2.2~3.3V
- CONTINUITY 40Ω OR LESS
- FREQUENCY 99.99Hz/999.9Hz/9.999KHz/
99.99KHz/999.9KHz±(0.3%+3DGT)
- CAPACITANCE 40/400nF/4/40μF±(5%+5DGT)
- TEMPERATURE -30℃~1350℃±(3%+3DGT)
- TRUE RMS CREST FACTOR BELOW3
- POWER SUPPLY NEDA1604 9V OR 6F22 9V×1PC
- DIMENSION 84(W)×183(H)×40(D)mm
(94×195×45mm, WITH HOLSTER)
- WEIGHT APPROX. 350g(463g, WITH HOLSTER)
- ACCESSORIES MANUAL, TEMP PROBE,
TEST LEADS, HOLSTER

TK-4001

CE CAT-II

디지털 멀티미터 (PORTABLE DIGITAL MULTIMETER)



- 편리하고 안전한 홀스터
- 3% DIGIT, 4000 COUNT
- 고속 바 그래프
- 과부하 보호기능
- 자동전원 잠금기능(15분)
- hFE 측정기능
- 콘덴서 측정기능
- 주파수 측정기능
- 최소/최대 측정기능
- 레인지 홀드기능
- 데이터 홀드기능

- CONVENIENT & SAFETY HOLSTER
- 3% DIGIT, 4000 COUNT
- HIGH SPEED BAR-GRAPH
- OVER LOAD PROTECTION
- AUTO POWER OFF(15MIN.)
- hFE MEASUREMENT
- CAPACITANCE MEASUREMENT
- FREQUENCY MEASUREMENT
- MIN/MAX FUNCTION
- RANGE HOLD
- DATA HOLD

SPECIFICATIONS

- DCV 400mV/4V±(1%+3DGT)
40/400V±(1%+3DGT)
1000V±(2%+5DGT)
- ACV 400mV/4V/40V/400V/
750V±(1%+3DGT)
- OHMS 400Ω/4KΩ/40KΩ/400KΩ±(0.8%+6DGT)
4MΩ±(1%+2DGT)
40MΩ±(2.5%+2DGT)
- DCA 40mA/400mA±(1.5%+2DGT)
10A±(3%+6DGT)
- ACA 40mA/400mA±(1.5%+3DGT)
10A±(3%+6DGT)
- DIODE OPEN VOLTAGE 2.2~3.3V
- CONTINUITY 40Ω OR LESS
- FREQUENCY 99.99Hz/999.9Hz/9.999KHz/
99.99KHz/999.9KHz±(0.3%+3DGT)
- CAPACITANCE 40/400nF/4/40μF±(5%+5DGT)
- hFE BASE CURRENT APPROX. 1μA Vce : 3V
- POWER SUPPLY NEDA1604 9V OR 6F22 9V×1PC
- DIMENSION 84(W)×183(H)×40(D)mm
(94×195×45mm, WITH HOLSTER)
- WEIGHT APPROX. 350g(463g, WITH HOLSTER)
- ACCESSORIES MANUAL, TEST LEADS, HOLSTER

TK-3205

CE CAT-II

디지털 멀티미터 (PORTABLE DIGITAL MULTIMETER)



- 편리하고 안전한 홀스터
- 3½ DIGIT, 3400 COUNT
- 고속 바 그래프
- 과부하 보호기능
- 자동전원 잠금기능(10분)
- hFE 측정기능
- 레인지 홀드기능
- 데이터 홀드기능
- CONVENIENT & SAFETY HOLSTER
- 3½ DIGIT, 3400 COUNT
- HIGH SPEED BAR-GRAPH
- OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- hFE MEASUREMENT
- RANGE HOLD
- DATA HOLD

SPECIFICATIONS

- DCV 340mV
3.4/34/340/1000V(±1%±4DGT)
- ACV 3.4/34/340/750V(±1.2%±4DGT)
- OHMS 340Ω/3.4/34/340KΩ(±1.2%±4DGT)
3.4/34MΩ(±3.5%±5DGT)
- DCA 340μA/3.4/34/340mA(±1.5%±4DGT)
10A(±2.5%±4DGT)
- ACA 340μA/3.4/34/340mA(±2.0%±5DGT)
10A(±2.5%±5DGT)
- DIODE OPEN VOLTAGE 2.2V-3.3V
- CONTINUITY 34Ω OR LESS
- hFE BASE CURRENT APPROX. 1μA Vce 3V
- POWER SUPPLY NEDA1604 9V OR 6F22 9V×1PC
- DIMENSION 84(W)×183(H)×40(D)mm
(94×195×45mm, WITH HOLSTER)
- WEIGHT APPROX. 350g(463g, WITH HOLSTER)
- ACCESSORIES MANUAL, TEST LEADS, HOLSTER

TK-3204A

CE

디지털 멀티미터 (EASY DIGITAL MULTIMETER)



- 편리하고 안전한 홀스터
- 3½ DIGIT, 3400 COUNT
- 고속 바 그래프
- 과부하 보호기능
- 자동전원 잠금기능(10분)
- 레인지 홀드기능
- 데이터 홀드기능
- CONVENIENT & SAFETY HOLSTER
- 3½ DIGIT, 3400 COUNT
- HIGH SPEED BAR-GRAPH
- OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- RANGE HOLD
- DATA HOLD

SPECIFICATIONS

- DCV 340mV
3.4/34/340/1000V(±1%±4DGT)
- ACV 3.4/34/340/750V(±1.2%±4DGT)
- OHMS 340Ω/3.4/34/340KΩ(±1.2%±4DGT)
3.4/34MΩ(±3.5%±5DGT)
- DCA 340μA/3.4/34/340mA(±1.5%±4DGT)
20A(±2.5%±4DGT)
- ACA 340μA/3.4/34/340mA(±2.0%±5DGT)
20A(±2.5%±5DGT)
- DIODE OPEN VOLTAGE 2.2V-3.3V
- CONTINUITY 34Ω OR LESS
- POWER SUPPLY NEDA1604 9V OR 6F22 9V×1PC
- DIMENSION 84(W)×183(H)×40(D)mm
(94×195×45mm, WITH HOLSTER)
- WEIGHT APPROX. 350g(463g, WITH HOLSTER)
- ACCESSORIES MANUAL, TEST LEADS, HOLSTER

TK-3204

CE

디지털 멀티미터 (HANDY DIGITAL MULTIMETER)



- 3½ DIGIT, 3200 COUNT
- 보호회로 채용
- 자동전원 잠금기능(10분)
- 아날로그 바 그래프
- 레인지 홀드 데이터 홀드
- 건전지 테스트(1.5V/9V)
- 3½ DIGIT, 3200 COUNT
- OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- ANALOG BAR-GRAPH
- RANGE HOLD & DATA HOLD
- BATTERY TEST(1.5V/9V)

SPECIFICATIONS

- DCV 0-1000V(±1.0%±2DGT)
- ACV 0-750V(±1.5%±2DGT)
- OHMS 0-32MΩ
- DCA 0-20A
- ACA 0-20A
- CONTINUITY 20Ω OR LESS
- DIODE OPEN VOLTAGE APPROX. 2.3V
- BATTERY TEST 1.5V/9V
- POWER SUPPLY R6 'AA' 1.5V×2PCS
- DIMENSION 78(W)×165(H)×36(D)mm
- WEIGHT APPROX. 235g(NET)
- ACCESSORIES MANUAL, TEST LEADS, CARRYING CASE



TK-201

디지털 멀티미터 (HANDY DIGITAL MULTIMETER)



- 수동 레인지
- 1999 COUNT
- HOLD 기능
- 20 RANGE IN 6 FUNCTION
- MANUAL RANGE
- DISPLAY 1999 COUNT
- HOLD FUNCTION
- 20 RANGE IN 6 FUNCTION

SPECIFICATIONS

- DCV 0-500V(±2%±4DGT)
- ACV 0-500V(±2.5%±8DGT)
- OHMS 0-2MΩ(±2%±5DGT)
- DIODE TEST VOLTAGE APPROX. 2.5V
- CONTINUITY LESS THAN 90Ω
- DCA 20/200μA/2/20/200mA(±3%±5DGT)
10A(±4%±5DGT)
- hFE DISPLAY 0~1000 TEST
- CONDITON IB=10μA Vce 3V
- DIMENSION 144(W)×74(H)×35(D)mm
WITH HOLSTER
- WEIGHT APPROX. 350g(NET)
- ACCESSORIES MANUAL, TEST LEADS, HOSTER
- POWER SUPPLY NADA1604 9V OR 6F22 9V×1PC

TK-202

디지털 멀티미터 (HANDY DIGITAL MULTIMETER)



- 3½ DIGIT, 4000 COUNT
- 보호회로 채용
- 자동전원 잠금기능(15분)
- 주파수 측정기능
- 온도측정기능(K-TYPE온도프로브 별매)
- 듀티 사이클 측정기능

SPECIFICATIONS

- 3½ DIGIT, 4000 COUNT
- OVER LOAD PROTECTION
- AUTO POWER OFF(15MIN.)
- FREQUENCY MEASUREMENT
- TEMPERATURE MEASUREMENT
(NOT INCLUDE K-TYPE TEMP. PROBE)
- DUTY CYCLE MEASUREMENT

- DCV 0-600V(±1%±4DGT)
- ACV 0-600V(±1.5%±8DGT)
- OHMS 0-40MΩ
- DIODE OPEN VOLTAGE APPROX. 1.5V
- CONTINUITY LESS THAN 90Ω
- CAPACITOR 4nF(±5%±25DGT)
40nF(±5%±10DGT)
400nF/4uF(±4%±8DGT)
40uF(±4%±10DGT)
- FREQUENCY 100Hz/1/10/100kHz/1/10MHz
(±0.5%±4DGT)
- DUTY CYCLE 1%~99%(±5%±5DGT)
- TEMPERATURE -40℃ ~ 1000℃
- DCA 400μA/4/40/400mA/4A(±1.5%±4DGT)
10A(±2%±4DGT)
- ACA 400μA/4/40/400mA/4A(±2%±8DGT)
10A(±2.5%±4DGT)
- POWER SUPPLY NEDA1604 9V OR 6F22 9V×1PC
- WEIGHT APPROX. 350g(NET)
- DIMENSION 144(W)×74(H)×35(D)mm WITH HOLSTER
- ACCESSORIES MANUAL, TEST LEADS, HOLSTER

TK-3300A CE

디지털 멀티미터 (HANDY DIGITAL MULTIMETER)



- 3.5digit, 1999count
- 소형경량 휴대용이
- 자동전원 잠금기능(15분)
- Hold기능

SPECIFICATIONS

- 3.5DIGIT, 1999COUNT
- SMALL & COMPACT
- AUTO POWER OFF (15MIN)
- DATA HOLD

- ACV 1.999V/19.99V/199.9V/500V (±2.3%+2dgt)
- DCV 199.9mV/1.999V/19.99V/199.9V (±1.3%+2dgt)
500V(±2%+2dgt)
- ACmA 199.9μA/1999μA/19.99mA/199.9mA(±2.3%+2dgt)
- DCmA 199.9μA/1999μA/19.99mA/199.9mA(±2%+2dgt)
- OHMS 199.9Ω/1.999KΩ/19.99KΩ/199.9KΩ (±2%+2dgt)
1.999MΩ(±3%+2dgt)
19.99MΩ(±6%+5dgt)
- DIODE OPEN VOLTAGE APPROX. 1.5V
- CONTINUITY 50Ω OR LESS
- POWER SUPPLY LR44(1.5V)×2pcs
- DIMENSION 65.5(W)×125(H)×18.3(D)mm
- WEIGHT APPROX. 110g(NET)
- ACCESSORIES Manual, Test leads, holster

■ TK-3200A

포켓 멀티미터 (POCKET MULTIMETER)



- 소형 포켓
- 3½ DIGIT, 3200 COUNT
- 풀 레인지 보호회로
- 편리한 레인지
- 자동전원 잠금기능(10분)
- 고속 바 그래프
- 데이터 홀드기능
- SMALL & COMPACT
- 3½ DIGIT, 3200 COUNT
- FULL RANGE OVER LOAD PROTECTION
- CONVENIENT RANGE
- AUTO POWER OFF(10MIN.)
- HIGH SPEED BAR-GRAPH
- DATA HOLD

SPECIFICATIONS

- DCV 0-500V(±1.3%±4DGT)
- ACV 0-500V(±2.3%±8DGT)
- OHMS 0-32MΩ
- CONTINUITY 30Ω OR LESS
- DIODE OPEN VOLTAGE APPROX. 2.2V~3.2V
- POWER SUPPLY LR44 OR SR44×2PCS
- DIMENSION 71(W)×112(H)×16(D)mm
- WEIGHT APPROX. 100g(NET)

■ TK-3201

포켓 멀티미터 (POCKET MULTIMETER)



- 소형 포켓
- 3½ DIGIT, 3200 COUNT
- 보호회로
- 자동전원 잠금기능(10분)
- 바 그래프
- 데이터 홀드기능
- 건전지 테스터(1.5V/9V)
- SMALL & POCKET
- 3½ DIGIT, 3200 COUNT
- OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- BAR-GRAPH
- DATA HOLD
- BATTERY TEST(1.5V/9V)

SPECIFICATIONS

- DCV 0-500V(±1.3%±2DGT)
- ACV 0-500V(±2.3%±5DGT)
- OHMS 0-32MΩ
- CONTINUITY 20Ω OR LESS
- DIODE OPEN VOLTAGE APPROX. 2.2V~3.2V
- POWER SUPPLY LR44 OR SR44×2PCS
- DIMENSION 54(W)×108(H)×12(D)mm
- WEIGHT APPROX. 110g(NET)

■ TK-3203

포켓 멀티미터 (POCKET MULTIMETER)



- 소형 포켓
- 3½ DIGIT, 4000 COUNT
- 풀 레인지 보호회로
- 자동전원 잠금기능(10분)
- SMALL & COMPACT
- 3½ DIGIT, 4000 COUNT
- FULL RANGE OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)

SPECIFICATIONS

- DCV 0-450V(±1.3%±2DGT)
- ACV 0-450V(±2.3%±5DGT)
- OHMS 0-40MΩ
- CONTINUITY LESS THAN 50Ω OR LESS
- DIODE OPEN VOLTAGE APPROX. 2.3V
- POWER SUPPLY LR44 OR SR44× 2PCS
- DIMENSION 54(W)× 108(H)× 12(D)mm
- WEIGHT APPROX. 110g(NET)



TK-3211

포켓 멀티미터 (POCKET MULTIMETER)



- 화면 표시 : 3½ DIGIT, 1999 COUNT
- 자동레인지
- 극성 전환 : 양극일 때는 표시 없음.
음극일 때는 '-' 로 자동 표시.
- 오버 렌지 표시 : 'OL' 표시
- 자동 전원 잠금 : 마지막 사용후 15분 뒤 절전모드 변경
- Display : 3½ digit, 1999 count
- Range : Auto ranging.
- Polarity : Automatic no indication for positive polarity, minus '-' sign for negative polarity
- Over-range indication : 'OL' make indication (Except ACV/DCV ranges)
- Auto power off : The meter is powered off 15 minute later after operation was mode.

SPECIFICATIONS

- DCV 0-500V(±1.3% rdg±2DGT)
- ACV 0-500V(±2.3% rdg±3DGT)
- OHMS 0-19.99MΩ
- CONTINUITY 25Ω OR LESS
- DIODE OPEN VOLTAGE APPROX. 2.2V
- POWER SUPPLY DC3V(CR2032 X 1)
- DIMENSION 55(W)×109(H)×11.4(D)mm
- WEIGHT APPROX. 100g(included batteries)

TK-3212A

포켓 멀티미터 (POCKET MULTIMETER)



- 화면 표시 : 3½ DIGIT, 1999 COUNT
- 자동레인지
- 극성 전환 : 양극일 때는 표시 없음.
음극일 때는 '-' 로 자동 표시.
- 오버 렌지 표시 : 'OL' 표시
- 자동 전원 잠금 : 마지막 사용후 15분 뒤 절전모드 변경
- Display : 3½ digit, 1999 count
- Range : Auto ranging.
- Polarity : Automatic no indication for positive polarity, minus '-' sign for negative polarity
- Over-range indication : 'OL' make indication (Except ACV/DCV ranges)
- Auto power off : The meter is powered off 15 minute later after operation was mode.

SPECIFICATIONS

- DCV 0-500V(±1.3% rdg±2DGT)
- ACV 0-500V(±2.3% rdg±3DGT)
- ACmA 0-199.9mA(±2.5% rdg±3DGT)
- DCmA 0-199.9mA(±1.5% rdg±3DGT)
- OHMS 0-19.99MΩ
- CONTINUITY 25Ω OR LESS
- DIODE OPEN VOLTAGE APPROX. 2.2V
- POWER SUPPLY DC3V(CR2032 X 1)
- DIMENSION 55(W)×109(H)×11.4(D)mm
- WEIGHT APPROX. 100g(included batteries)

TESTEK-830

디지털 멀티미터 (HANDY DIGITAL MULTIMETER)



- 수동레인지
- 최대 1999Count
- 백라이트기능 (15초후 자동꺼짐)
- Hold 기능
- Manual Range
- Display 1999Count
- Backlight Function
- Hold Function

SPECIFICATIONS

- ACV 0-500V (±1.5%+8dgt)
- DCV 200mV/2V/20V/200V ±(1%+3dgt)
500V±(1%+4dgt)
- DCA 2mA/20mA/200mA/10A ±(2%+8dgt)
- OHM 200Ω/2KΩ/20KΩ/200KΩ/2MΩ ±(1.5%+3dgt)
- DIODE OPEN VOLTAGE APPROX. 3V
- CONTINUITY 34Ω OR LESS
- hFE DISPLAY 0~1000 Test
- POWER SUPPLY NEDA1604 9V or 6F22 9V×1pc
- DIMENSION 34(D)× 69(H)× 145(W)mm
- WEIGHT APPROX. 143g(NET)
- ACCESSORIES Manual, Test leads

TK-1000A CAT-II

디지털 클램프미터 (DIGITAL CLAMP METER AC 1000A)



- 3% DIGIT, 4000 COUNT
- 0.01A까지 측정가능
- 고속 바 그래프
- 플레인지 보호회로
- 자동전원 잠금기능(30분)
- 대용량 클램프(42mm)
- 주파수 측정기능
- 최소/최대값 측정
- 레인지 홀드기능
- 데이터 홀드기능

- 3% DIGIT, 4000 COUNT
- HIGH RESOLUTION, 0.01A
- HIGH SPEED BAR-GRAPH
- FULL RANGE OVER LOAD PROTECTION
- AUTO POWER OFF(30MIN.)
- CLAMP CORE JAW SIZE(42mm)
- FREQUENCY MEASUREMENT
- MIN/MAX FUNCTION
- RANGE HOLD
- DATA HOLD

SPECIFICATIONS

- **ACA** 40A($\pm 1.5\% \pm 5DGT$)
1000A($\pm 2\% \pm 5DGT$)
- **ACV** 4/40/400/600V($\pm 1.2\% \pm 4DGT$)
- **DCV** 400mV/4/40/400/600V($\pm 1\% \pm 2DGT$)
- **OHMS** 400 Ω /4/40/400/600K Ω ($\pm 1\% \pm 2DGT$)
4/40M Ω ($\pm 3\% \pm 5DGT$)
- **CONTINUITY** 40 Ω OR LESS
- **FREQUENCY** 4/40/400kHz/4/10MHz
($\pm 0.3\% \pm 3DGT$)
- **POWER SUPPLY** NEDA1604 9V OR 6F22
9V \times 1PC
- **CLAMP CORE JAW SIZE** 42mm
- **DIMENSION** 65(W) \times 230(H) \times 42(D)mm
- **WEIGHT** APPROX. 375g(NET)
- **ACCESSORIES** MANUAL, TEST LEADS,
CARRYING CASE

TK-2000AD CAT-II

디지털 클램프미터 (DIGITAL CLAMP METER AC/DC 2000A)



- 3% DIGIT, 4000 COUNT
- 고속 바 그래프
- 플레인지 보호회로
- 자동전원 잠금기능(30분)
- 대용량 클램프(55mm)
- 자동레인지
- 주파수 측정기능
- 레인지 홀드기능
- 데이터 홀드기능

- 3% DIGIT, 4000 COUNT
- HIGH SPEED BAR-GRAPH
- FULL RANGE OVER LOAD PROTECTION
- AUTO POWER OFF(30MIN.)
- CLAMP CORE JAW SIZE(55mm)
- AUTO RANGE
- FREQUENCY MEASUREMENT
- RANGE HOLD
- DATA HOLD

SPECIFICATIONS

- **ACA** 400/2000A($\pm 2\% \pm 5DGT$)
- **DCA** 400/2000A($\pm 2\% \pm 5DGT$)
- **ACV** 4/40/400/600V($\pm 1.2\% \pm 4DGT$)
- **DCV** 400mV/4/40/400/600V
($\pm 1\% \pm 2DGT$)
- **OHMS** 400 Ω /4/40/400K Ω ($\pm 1\% \pm 2DGT$)
4/40M Ω ($\pm 3\% \pm 5DGT$)
- **CONTINUITY** 40 Ω OR LESS
- **FREQUENCY** 4/40/400kHz/4/10MHz
($\pm 0.3\% \pm 3DGT$)
- **POWER SUPPLY** NEDA1604 9V OR 6F22
9V \times 1PC
- **CLAMP CORE JAW SIZE** 55mm
- **DIMENSION** 85(W) \times 249(H) \times 42(D)mm
- **WEIGHT** APPROX. 375g(NET)
- **ACCESSORIES** MANUAL, TEST LEADS,
CARRYING CASE



TK-600A

CE CAT-II

디지털 클램프미터 (DIGITAL CLAMP METER AC 600A)



- 소형경량
- 3 $\frac{1}{2}$ DIGIT, 3400 COUNT
- 풀 레인지 보호회로
- 자동전원 잠금기능(10분)
- 대용량 클램프(36mm)
- 자동레인지
- 데이터 홀드기능

- SMALL & COMPACT
- 3 $\frac{1}{2}$ DIGIT, 3400 COUNT
- FULL RANGE OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- CLAMP CORE JAW SIZE(36mm)
- AUTO RANGE
- DATA HOLD

SPECIFICATIONS

- ACA 340.0/600A($\pm 2\% \pm 4$ DGT)
- ACV 3.400/34.00/340.0/600V($\pm 1.5\% \pm 8$ DGT)
- DCV 340.0mV/3.400/34.00/340.0/600V($\pm 1\% \pm 4$ DGT)
- OHMS 340.0 Ω /3.400/34.00/340.0k Ω ($\pm 1\% \pm 2$ DGT)
3.400M Ω ($\pm 3.5\% \pm 4$ DGT)
34.00M Ω ($\pm 10\% \pm 5$ DGT)
- CONTINUITY 30 Ω OR LESS
- POWER SUPPLY LR44 OR SR44 1.5V \times 2PCS
- CLAMP CORE JAW SIZE 36mm
- DIMENSION 73(W) \times 194(H) \times 33(D)mm
- WEIGHT APPROX. 330g(NET)
- ACCESSORIES MANUAL, TEST LEADS,
CARRYING CASE

TK-601AD

CE CAT-II

디지털 클램프미터 (DIGITAL CLAMP METER AC/DC 600A)



- 소형경량
- 3 $\frac{1}{2}$ DIGIT, 3400 COUNT
- 풀 레인지 보호회로
- 자동전원 잠금기능(10분)
- 대용량 클램프(36mm)
- 자동레인지
- 데이터 홀드기능
- 영점 조정

- SMALL & COMPACT
- 3 $\frac{1}{2}$ DIGIT, 3400 COUNT
- FULL RANGE OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- CLAMP CORE JAW SIZE(36mm)
- AUTO RANGE
- DATA HOLD
- DCA ZERO ADJUSTER

SPECIFICATIONS

- ACA 340.0/600A($\pm 2\% \pm 4$ DGT)
- DCA 340.0/600A($\pm 3\% \pm 4$ DGT)
- ACV 3.400/34.00/340.0/600V($\pm 1.5\% \pm 8$ DGT)
- DCV 340.0mV/3.400/34.00/340.0/600V($\pm 1\% \pm 4$ DGT)
- CONTINUITY 30 Ω OR LESS
- POWER SUPPLY LR44 OR SR44 1.5V \times 2PCS
- CLAMP CORE JAW SIZE 36mm
- DIMENSION 73(W) \times 194(H) \times 33(D)mm
- WEIGHT APPROX. 330g(NET)
- ACCESSORIES MANUAL, TEST LEADS,
CARRYING CASE

■ 3207

디지털 클램프미터 (DIGITAL CLAMP METER AC 600A)



- 3½ DIGIT, 3200 COUNT
- 바 그래프
- 자동레인지
- 데이터 홀드기능
- 자동전원 잠금기능(10분)
- 3½ DIGIT, 3200 COUNT
- BAR GRAPH
- AUTO RANGE
- DATA HOLD
- AUTO POWER OFF(10MIN.)

SPECIFICATIONS

- ACA 300/600A(±2%±5DGT)
- ACV 3/30/300/650V(±2%±4DGT)
- DCV 300mV/3/30/300/650V(±1.5%±2DGT)
- CONTINUITY 300Ω OR LESS
- POWER SUPPLY R6(1.5V)×2PCS
- DIMENSION 58(W)×188(H)×34(D)mm
- WEIGHT APPROX. 250g(NET)
- ACCESSORIES MANUAL, TEST LEADS, CARRYING CASE

■ TESTEK-86A

디지털 클램프미터 (DIGITAL CLAMP METER AC 600A)



- 소형경량
- 3½ DIGIT, 1999 COUNT
- 데이터 홀드기능
- 대용량 클램프(39mm)
- 3½ DIGIT, 1999 COUNT
- SMALL & COMPACT
- DATA HOLD
- CLAMP CORE JAW SIZE(39mm)

SPECIFICATIONS

- ACA 200mA/20A/600A(±4%+10DGT)
- ACV 200V/600V(±2.5%+8DGT)
- DCV 200V/600V(±2.0%+8DGT)
- OHMS 200Ω/200KΩ(±3.5%+8DGT)
- CONTINUITY LESS THAN 32Ω
- CLAMP CORE JAW SIZE 39mm
- POWER SUPPLY R6 'AAA' 1.5V×2PCS
- DIMENSION 73(W)×193(H)×25(D)mm
- WEIGHT APPROX. 145g(NET)
- ACCESSORIES MANUAL, TEST LEADS, CARRYING CASE

■ 5001/5002

아날로그 클램프미터 (ANALOG CLAMP METER AC 300A/600A)



- AC전류 측정용
- 소형의 튼튼한 디자인
- 과전압 방지회로(휴즈단락)
- 시각적으로 편리한 스케일
- 메타 잠금장치 부착
- 다양한 기능(ACA, ACV, DCV, OHMS 등)

- SAFETY-ORIENTED DESIGN
- FEATURES FUSED TEST LEAD
- WITH THE RANGE OF AC 300A(5001), 600A(5002)
- CONVENIENT METER LOCK

SPECIFICATIONS

- ACA (50/60Hz) 0-6-15-60-150-300A(5001)
0-15-60-150-300-600A(5002)
- ACV 0-150-300-750V
- DCV 0-75V
- OHMS 0-1Ω-100Ω
- ACCURACY ±5% OF FULL SCALE
- POWER SUPPLY R6(1.5V)×1PC
- CLAMP CORE JAW SIZE 33mm
- WITHSTAND VOLTAGE AC 2500V FOR 1MIN
- MAX CIRCUIT VOLTAGE AC 750V
- FUSE PROTECTION 250V 0.5A
- DIMENSION 60(W)×190(H)×34(D)mm,
- WEIGHT APPROX. 340g(NET)
- ACCESSORIES MANUAL, CARRYING CASE, TEST LEADS



TK-4003

디지털 절연저항계 (DIGITAL INSULATION TESTER)



- 마이크로 프로세서 IC 탑재
- 3% DIGIT, 4000 COUNT
- 바 그래프
- 과전압 보호회로
- 자동레인지
- 데이터 홀드기능
- 도통시험기능
- ACV 측정기능
- DCV 측정기능

- MICROPROCESSOR CONTROLLED IC
- 3% DIGIT, 4000 COUNT
- BAR-GRAPH
- OVER LOAD PROTECTION
- AUTO RANGE
- DATA HOLD
- CONTINUITY TEST
- ACV MEASUREMENT
- DCV MEASUREMENT

SPECIFICATIONS

TK-4003(250V/500V/1000V-2000MΩ)

· 250V 4/40/400/1000MΩ(±2%±8DGT)

· 500V 4/40/400MΩ(±2%±8DGT)

2000MΩ(±5%±8DGT)

· 1000V 4/40/400MΩ(±2%±8DGT)

2000MΩ(±5%±8DGT)

· CONTINUITY 40Ω OR LESS

· ACV 0~600V(±2%±4DGT)

· DCV 0~600V(±2%±4DGT)

· POWER SUPPLY DC 12V, R6 'AA' 1.5V×8PCS

· DIMENSION 84(W)×183(H)×54(D)mm

· WEIGHT APPROX. 550g(NET)

· ACCESSORIES CARRYING CASE, MANUAL, TEST LEADS WITH CLIP

TKM-910/TKM-920

아날로그 절연저항계 (ANALOG INSULATION TESTER 500V / 1000V)



- 소형 경량으로 휴대 편리
- 외부자계의 영향 극소화
- 내부 건전지 시험기능
- LED로 전압발생 식별
- 도통시험 기능
- ACV 측정기능

- SMALL & LIGHT
- MAGNET TYPE METER
- INTERNAL BATTERY CHECKING FUNCTION
- LED LAMP FOR HIGH VOLTAGE POWER SOURCE(500V/1000V)
- CONTINUITY TEST
- ACV MEASUREMENT

SPECIFICATIONS

TKM-910

· (500V/1000MΩ) 0-1-500-1000MΩ

· ACCURACY ±5% OF THE VALUE IN THE PRIMARY EFFECTIVES SCALE RANGE

· ACV 0~600V±5%

· CONTINUITY 50Ω OR LESS

TKM-920

· (1000V/2000MΩ) 0-2-1000-2000MΩ

· ACCURACY ±5% OF THE VALUE IN THE PRIMARY EFFECTIVES SCALE RANGE

· ACV 0~600V±5%

· CONTINUITY 50Ω OR LESS

· POWER SUPPLY DC 6V, R6 'AA' 1.5V×4PCS

· DIMENSION 100(W)×150(H)×34(D)mm

· WEIGHT APPROX. 330g(NET)

· ACCESSORIES MANUAL, TEST LEADS WITH CLIP, CARRYING CASE

TK-4004

디지털 절연저항계 (DIGITAL INSULATION TESTER)



- 마이크로 프로세서 IC 탑재
- 3% DIGIT, 4000 COUNT
- 바 그래프
- 과전압 보호회로
- 자동전원 잠금기능(10분)
- 자동레인지
- 데이터 홀드기능
- 도통시험 기능
- ACV측정(600V 이상 경보음)

- MICROPROCESSOR CONTROLLED IC
- 3% DIGIT, 4000 COUNT
- BAR-GRAPH
- OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- AUTO RANGE
- DATA HOLD
- CONTINUITY TEST
- ACV MEASUREMENT (BEEPS OVER THE 600V)

SPECIFICATIONS

- TK-4004(250V/500V/1000V-4000MΩ)
- 250V 4/40/400MΩ(±3%±8DGT)
4000MΩ(±5%±8DGT)
- 500V 4/40/400MΩ(±3%±8DGT)
4000MΩ(±5%±8DGT)
- 1000V 4/40/400MΩ(±3%±8DGT)
4000MΩ(±5%±8DGT)
- ACV 400.0/600V(±2%±4DGT)
- CONTINUITY 40Ω OR LESS
- POWER SUPPLY DC 12V, R6 'AA' 1.5V×8PCS
- DIMENSION 84(W)×183(H)×54(D)mm
- WEIGHT APPROX. 550g(NET)
- ACCESSORIES MANUAL, TEST LEADS WITH CLIP, CARRYING CASE

TK-2000M

디지털 절연저항계 (DIGITAL INSULATION TESTER)



- 마이크로 프로세서 IC 탑재
- 3% DIGIT, 4000 COUNT
- 바 그래프
- 과전압 보호회로
- 자동전원 잠금기능(10분)
- 자동레인지
- 데이터 홀드기능
- 도통시험 기능
- ACV 측정(0~600V)
- DATA 저장기능

- MICROPROCESSOR CONTROLLED IC
- 3% DIGIT, 4000 COUNT
- BAR-GRAPH
- OVER LOAD PROTECTION
- AUTO POWER OFF(10MIN.)
- AUTO RANGE
- DATA HOLD
- CONTINUITY TEST
- ACV MEASUREMENT (BEEPS OVER THE 600V)

SPECIFICATIONS

- 250V 4/40/400MΩ(±3.5%±8DGT)
2000MΩ(±5%±8DGT)
- 500V 4/40/400MΩ(±3.5%±8DGT)
2000MΩ(±5%±8DGT)
- 1000V 4/40/400MΩ(±3.5%±8DGT)
2000MΩ(±5%±8DGT)
- ACV 300V(±2.5%±5DGT)/600V(±3%±8DGT)
- POWER SUPPLY DC 12V, R6 'AA' 1.5V×8PCS
- DIMENSION 160(W)×100(H)×43(D)mm
- WEIGHT APPROX. 700g(NET)
- ACCESSORIES CARRYING CASE, MANUAL, TEST LEADS WITH CLIP



TK-2040

디지털 접지저항계 (DIGITAL EARTH TESTER)



- 자동 디지털 접지저항계
- 전압강하방식
- 자동레인지
- 일체형 가방
- AUTOMATIC DIGITAL EARTH TESTER
- VOLTAGE DROP SYSTEM
- AUTO RANGE
- CONVENIENT CARRYING CASE

SPECIFICATIONS

- EARTH RESISTANCE-Automatic Range Selection

FUNCTION	MEASURING RANGE	RESOLUTION	ACCURACY
EARTH RESISTANCE	0~99.9Ω	0.1 Ω	(±2%RDG±0.1Ω)
	100~2000Ω	1 Ω	(±2%RDG±2DGT)
EARTH VOLTAGE	0~40.00 (50/60Hz)	0.1 V	(±1.5%RDG±4DGT)

- MEASUREMENT CURRENT 2.7mA 128Hz
- EARTH TEST VOLTAGE AC 60V MAX.
- POWER SUPPLY DC 12V, R6 "AA" 1.5V×8PCS
- WEIGHT APPROX. 2.2kg(NET)
- SIZE 180(W)×250(H)×90(D)mm
- ACCESSORIES ONE SET OF MEASURING CORDS (5m, 10m, 15m, MEASURING CORDS)
TWO AUXILIARY EARTH RODS, CARRYING CASE, MANUAL

TKE-1030

아날로그 접지저항계 (AUTOMATIC EARTH RESISTANCE TESTER)



- 자동접지저항계로 간단히 측정
- 전압강하방식
- 간단측정용 코드로 쉽게 측정
- SIMPLE MEASURE THE AUTOMATIC EARTH TESTER
- VOLTAGE DROP SYSTEM
- EASY MEASUREMENTS BY SIMPLE MEASURING CORD

SPECIFICATIONS

FUNCTION	MEASURING RANGE	ACCURACY
EARTH RESISTANCE	10Ω	±3% F.S
	100Ω	
	1000Ω	
EARTH VOLTAGE	0~30.00V	±3% F.S

- **Affect of Auxiliary Earth Resistance** : ±3% of reading Value when auxiliary earthing resistance is 0 to 5kΩ .
- **Affect of Auxiliary Earth Voltage** : less than ±5% of reading Value when earth voltage is 0 to 10V.
- POWER SUPPLY DC 12V, R6(1.5V)×8PCS
- SIZE & WEIGHT 98(W)×162(H)×75(D)mm, 525g(NET)
- ACCESSORIES ONE SET OF MEASURING CORDS (5M, 10M, 15M, SIMPLE MEASURING CORD)
TWO AUXILIARY EARTH RODS
ONE CARRYING CASE
ONE SACK FOR ACCESSORIES
MANUAL



TK-2060/TK-2061

클램프 접지저항계 (CLAMP ON - GROUND RESISTANCE TESTER)



- 클램프타입의 접지저항계
- 자동전원 잠금기능
- 메모리 기능
- 자동레인지
- CLAMP TYPE GROUND RESISTANCE TESTER
- AUTO POWER OFF FUNCTION
- MEMORY FUNCTION
- AUTO RANGE

SPECIFICATIONS

Range	Resolution	Accuracy of reading
0.010Ω~0.99Ω	0.01Ω	±1% ± 0.01Ω
1.0~49.9Ω	0.1Ω	±1.5% ± 0.1Ω
50.0~99.5Ω	0.5Ω	±2% ± 0.5Ω
100~199Ω	1Ω	±3% ± 1Ω
200~395Ω	5Ω	±6% ± 5Ω
400~590Ω	10Ω	±10% ± 10Ω
600~1000Ω	20Ω	±20% ± 20Ω

- POWER SUPPLY DC 6V, AA R6(1.5V)×4
- SIZE & WEIGHT 300mm(L)×90mm(W)×66mm(H), 1320g(INCLUDING BATTERIES)
- CLAMP CORE JAW SIZE 32mm
- ACCESSORIES VERIFICATION RESISTOR X 1, ONE CARRYING CASE

· AC Current(TK-2061 only)

Range	Resolution	Accuracy of reading
0~80mA	0.05mA	±2% ± 0.05mA
80~650mA	0.5mA	±2% ± 0.5mA
650mA~4A	5mA	±2% ± 5mA
4A~30A	10mA	±2% ± 10mA

TK-2050

디지털 접지저항계 (DIGITAL EARTH TESTER)



- 마이크로 프로세서 IC 탑재
- 3½ DIGIT, 4000 COUNT
- 자동레인지
- 데이터 홀드기능
- 자동접지저항계
- 일체형가방
- 간이측정 레인지

- MICROPROCESSOR CONTROLLED IC
- 3½ DIGIT, 4000 COUNT
- AUTO RANGE
- DATA HOLD
- AUTOMATIC EARTH TESTER
- VOLTAGE DROP SYSTEM
- CONVENIENT CARRYING CASE
- SIMPLE MEASUREMENT RANGE

SPECIFICATIONS

FUNCTION	MEASURING RANGE	RESOLUTION	ACCURACY
EARTH RESISTANCE	0~99.9Ω	0.1Ω	(±2%RDG±0.1Ω)
	100~2000Ω	1Ω	(±2%RDG±2ΩDGT)
EARTH VOLTAGE	0~40.00 (50/60Hz)	0.1V	(±1.5%RDG±4DGT)

- MEASUREMENT CURRENT 2.7mA 128Hz
- EARTH TEST VOLTAGE AC 60V MAX.
- POWER SUPPLY DC 12V, R6 "AA" 1.5V×8PCS
- WEIGHT APPROX. 2.2kg(NET)
- SIZE 180(W)×250(W)×90(D)mm
- ACCESSORIES ONE SET OF MEASURING CORDS (5m, 10m, 15m, MEASURING CORDS) TWO AUXILIARY EARTH RODS CARRYING CASE, MANUAL

■ TK-808A

활선 경보기 (BAND TYPE VOLTAGE DETECTOR)



- 자체 점검 스위치
- 신축성 밴드로 어깨나 안전모에 부착 용이
- S/W FOR TESTING MODE
- EXPANSION & CONTACT BAND

VOLTAGE	DISTANCE
AC 220V	CONTACT IN ACTIVE LINE
AC 6600V	80cm±10%
AC 22.9KV	110cm±10%

- 주위 환경 및 고조에 따라 작동감지거리가 변경될 수 있음.
- POWER SUPPLY DC 3V, LR44 1.5V×2PCS
- WEIGHT APPROX. 850g(NET)
- OPERATING AND SENSING DISTANCE CAN BE CHANGED BY ENVIRONMENT AND STRUCTURE.

■ TK-5060

펜슬형 검전기 (PEN TYPE VOLTAGE DETECTOR)



- 검전하기전 자체작동 유무확인
- 검전시 소리와 빛의 동시작동
- 소형 경량 / 휴대용이

- SELF - TESTING
- SOUND & LIGHT DETECTOR
- SMALL & COMPACT SIZE

SPECIFICATIONS

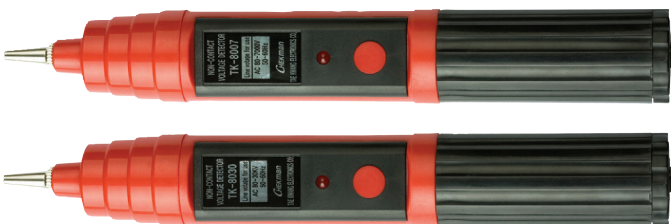
- Application Voltage : AC50~600V 50/60Hz
- Insulation Resistance : Over 100MΩ, Between sensor and grip with 1000V insulation tester
- Dielectric Strength : AC2000V for 1min, Between sensor and grip
- Leak Current : Below 100μA, at dielectric strength
- Operate Indication : Sound : intermittent sound 50dB, apart 20cm
Visual : noticeable in brightness of 8000 luxes
- Operation Temperature : 0 ~ 40°C
- Dimension : 127(W) X 22(H) X 20(D)mm
- Battery : Alkaline button cell LR44 X 2EA

■ 정격 및 사양

- 사용전압 : AC50~600V, 50/60Hz
- 절연저항 : 검지부와 클립 부분, 100MΩ 이상
- 절연내력 : 검지부와 클립 부분, AC2000V, 1분간
- 누설전류 : 절연내력 시험시 100μA 이하
- 동작표시 : 발광...8000Lux의 밝은곳에서 확인가능(LED)
부저...20cm떨어진 거리일때(50dB) 이상
- 사용온도 : 0 ~ 40°C
- 크 기 : 127(W) × 22(H) × 20(D)mm / 22g
- 사용전지 : LR44 1.5V × 2개

■ TK-8007(7KV), TK-8030(30KV)

비접촉식 검전기 (NON-CONTACT VOLTAGE DETECTOR)



- 저압/고압의 전압을 비접촉으로 검전
- 검전하기전 자체작동 유무확인
- 검전시 소리와 빛의 동시작동
- 소형 경량의 보급형

- NON-CONTACT TYPE
- LOW/HIGH VOLTAGE DETECTOR
- SELF - TESTING
- SOUND & LIGHT DETECTOR
- SMALL & COMPACT SIZE

- TK-8007 AC 80V-7000V
- TK-8030 AC 80V-30000V
- POWER SUPPLY DC 9V, 6F22 9V×1PC
- LENGTH APPROX. 240mm
- WEIGHT APPROX. 135g(NET)



■ TM-110, DT-36

도통시험기 OX테스트 (CONTINUITY CHECKER)



- 간단하고 편리한 도통시험
- 빛과 소리의 두가지 기능
- 휴대용이

- SIMPLE & CONVENIENT
- LED AND MELODY BEEP

SPECIFICATIONS

- POWER SUPPLY R6AAM(1.5V)×2
- SIZE 64(W)×93(H)×18(D)mm
- WEIGHT APPROX. 95g(NET)
(INCLUDING BATTERIES)

■ TK-107

검상기 (PHASE ROTATION TESTER)



- LED 램프 및 경보음에 의한 상판별 기능
- 소형 경량 휴대용이

- Checking the phase sequence with indication by LED's and Buzzer at the same time
- Portable and compact size

- 사용 전압 : AC200V~480V AC 3상
- 연속측정시 시간 제한 : 200V : 60분 이내
480V : 4분 이내
- 사용주파수 : 20~400Hz
- 내전압 : 2200V AC에서 1분간
- 크 기 : 80(H)X59(W)23(D) mm
- 중 량 : 200g
- 코 드 : 1m(R:적색, S:검정, T:파랑)
- 부속품 : 휴대용가방, 측정리드용클립, 사용설명서

SPECIFICATIONS

- OPERATIONAL VOLTAGE AC200V~480V
- TIME LIMIT FOR CONTINUOUS 200V : WITHIN 60 MINUTES
480V : WITHIN 4 MINUTES
- FREQUENCY RESPONSE 20~400Hz
- WITHSTAND VOLTAGE 2200V AC FOR 1 MINUTE
- DIMENSIONS 80(H)X59(W)23(D) mm
- WEIGHT APPROX. 200g(NET)
- CORD 1M (R:RED, S:BLACK, T:BLUE)
- ACCESSORIES CARRYING CASE, ALLIGATE CLIP, MANUAL

■ TM-504TRN

아날로그 멀티미터 (ANALOG MULTIMETER)



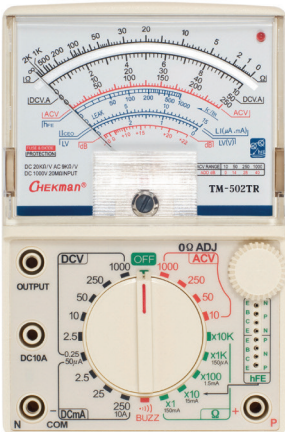
- 트랜지스터의 직류전류증폭도(hFE)직독
- DCV Null 기능
- 도통기능(부저 및 LED)
- 메타보호 및 저항손상 방지 회로
- OUT PUT 단자(전자회로등의 교류신호검출용이)
- DC CURRENT AMPLIFICATION FACTOR(HFE)
 - INSERT HFE INTERNAL(ON SCALE) DIRECTLY
- ZERO CENTER METER(DCV NULL METER) FUNCTION
- CONTINUITY CHECKING WITH AN LED INDICATOR & BEEPER
- FUSE & DIODE PROTECTION
- SERIES CAPACITOR TERMINAL(OUT PUT)TO DETECT ONLY AC SIGNALS
- WIDE MEASURING RANGE WITH 24-CHANNEL ROTARY SWITCH
- BATTERY CHECKING WITH GOOD-?-BAD SCALE

SPECIFICATIONS

- DC VOLTAGE 0-0.1-0.5-2.5-10-50-250-1000V(20KΩ/V)±4%F.S
- DCV NULL ±5V, ±25V ±4%F.S
- DC A 0-50uA-2.5mA-25mA-250mA-10A±4%F.S
- AC VOLTAGE 0-10-50-250-1000V(9KΩ/V)±5%F.S
- RESISTANCE 0-2KΩ-20KΩ-200KΩ-2MΩ-20MΩ ±4%F.S
- DECIBELS -10dB~+22dB(AC10V)~+62dB
- LI 0-150uA-1.5mA-15mA-150mA
- LV 0-3V
- hFE 0-1000
- BATTERY CHECK 1.5V(Load 250mA)
- CONTINUITY BEEPER(50Ω OR LESS), LED(AT BELOW 10Ω)
- POWER SUPPLY R6(1.5V)×2, 6F22(9V)×1
- SIZE & WEIGHT 150(W)×100(H)×38(D)mm, APPROX. 300g(NET)
- ACCESSORIES TEST LEADS, CARRYING CASE

■ TM-502TR

아날로그 멀티미터 (ANALOG MULTIMETER)



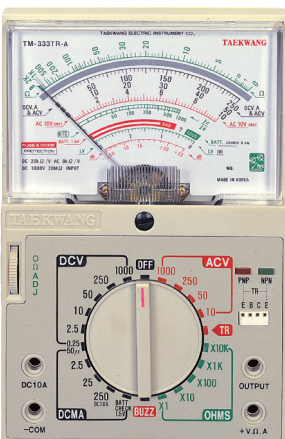
- 도통시험(부저 및 LED)
- OUT PUT 단자 (전자회로등의 교류신호검출용이)
- 메타보호 및 저항손상 방지 회로(휴즈단락)
- 트랜지스터의 직류전류증폭도(hFE)직독
- CONTINUITY CHECKING WITH LED INDICATOR & BEEPER
- SERIES CAPACITOR TERMINAL (OUT PUT) TO DETECT ONLY AC SIGNALS
- FUSE & DIODE PROTECTION
- DC CURRENT AMPLIFICATION FACTOR(HFE)
 - INSERT HFE INTERNAL(ON SCALE) DIRECTLY

SPECIFICATIONS

- DC VOLTAGE 0-0.25-2.5-10-50-250-1000V(20KΩ/V)±4%F.S
- DC A 0-50uA-2.5mA-25mA-250mA-10A ±4%F.S
- AC VOLTAGE 0-10-50-250-1000V(9KΩ/V)±5%F.S
- OHMS 0-2KΩ-20KΩ-200KΩ-2MΩ-20MΩ ±4%F.S
- DECIBELS -10dB~+22dB(AC10V)~+62dB
- LI 0-150uA-1.5mA-15mA-150mA
- LV 0-3V
- hFE(TR) 0-1000
- CONTINUITY BEEPER(50Ω OR LESS), LED(AT BELOW 10Ω)
- POWER SUPPLY R6(1.5V)×2, 6F22(9V)×1
- SIZE & WEIGHT 100(W)×150(H)×38(D), APPROX. 260g(NET)
- ACCESSORIES TEST LEADS, CARRYING CASE

■ TM-333TRA

아날로그 멀티미터 (ANALOG MULTIMETER)



- 메타보호 및 저항손상 방지(휴즈단락)
- 배터리 양부체크(1.5V)
- 도통시험(부저)
- 트랜지스터 극성 및 양부검사 (TR 소켓을 이용하여 LED 발광)
- FUSE & DIODE PROTECTION
- BATTERY CHECK(1.5V)
- CONTINUITY CHECK(BEEPER)
- TRANSISTER CHECK(LED)

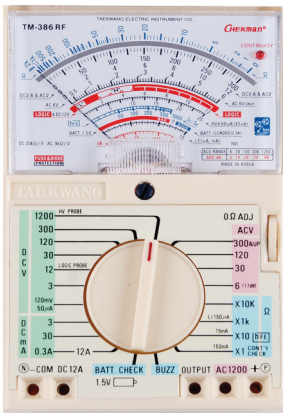
SPECIFICATIONS

- DC VOLTAGE 0-0.25-0.5-2.5-10-50-250-1000V(20KΩ/V)±4%F.S
- DC A 0-50uA-2.5mA-25mA-250mA-10A±4%F.S
- AC VOLTAGE 0-10-50-250-1000V(8KΩ/V)±5%F.S
- OHMS 0-2KΩ-20KΩ-2MΩ-20MΩ ±4%F.S
- LV 0-3V
- POWER SUPPLY R6(1.5V)×2, 6F22(9V)×1
- CONTINUITY BEEPER(50Ω OR LESS)
- SIZE & WEIGHT 100(W)×150(H)×42(D)mm, APPROX. 300g(NET)
- ACCESSORIES TEST LEADS, CARRYING CASE



■ TM-386RF

아날로그 멀티미터 (ANALOG MULTIMETER)



- 높은 내부저항(DC 20K Ω /V, 9K Ω /V)
- 도통시험(부저, LED)
- 메타보호 및 저항소손 방지(휴즈단락)
- 배터리 양부검사(1.5V)
- OUT PUT 단자 (전자회로등의 교류신호검출편리)
- DC 12A의 고전류 레인지
- HIGH INTERNAL RESISTANCE(DC 20K Ω /V, AC9K Ω /V)
- CONTINUITY CHECK(BEEPER & LED)
- FUSE & DIODE PROTECTION
- BATTERY CHECK(1.5V)
- OUT PUT TERMINAL(SERIES CONDENSER TERMINAL)
- DC 12A RANGE

SPECIFICATIONS

- DC VOLTAGE 0-120M-3-12-30-120-300-1200V \pm 4%F.S
- DCmA 0-50 μ A-3mA-0.3A-12A \pm 4%F.S
- AC VOLTAGE 0-6-30-120-300-1200V \pm 5%F.S
- OHMS 0-2K Ω -20K Ω -2M Ω -20M Ω \pm 4%F.S
- LI 0-150 μ A-15mA-150mA
- dB -dB \sim +7dB \sim 63dB
- CONTINUITY BEEPER(50 Ω OR LESS), LED(AT BELOW 10 Ω)
- POWER SUPPLY R6(1.5V) \times 2, 6F22(9V) \times 1
- SIZE & WEIGHT 100(W) \times 150(H) \times 35(D)mm, APPROX. 365g(NET)
- ACCESSORIES CARRYING CASE, TEST LEADS

■ TM-501BZ

아날로그 멀티미터 (ANALOG MULTIMETER)



- 메타 보호 및 저항소손 방지(휴즈단락)
- DCmA레인지
- 도통시험(부저)
- OUT PUT단자(전자회로등의 교류신호검출용이)

- FUSE & DIODE PROTECTION
- DCmA RANGE
- CONTINUITY CHECKING WITH BEEPER
- SERIES CAPACITOR TERMINAL (OUTPUT) TO DETECT ONLY AC SIGNALS

SPECIFICATIONS

- DC VOLTAGE 0-0.25-2.5-10-50-250-1000V(20K Ω /V) \pm 4%F.S
- DC A 0-50 μ A-2.5mA-25mA-250mA \pm 4%F.S
- AC VOLTAGE 0-10-50-250-1000V(9K Ω /V) \pm 5%F.S
- OHMS 0-2K Ω -20K Ω -200K Ω -2M Ω -20M Ω \pm 4%F.S
- LI 0-150 μ A-1.5mA-15mA-150mA
- LV 0-3V
- CONTINUITY BEEPER(50 Ω OR LESS)
- POWER SUPPLY R6(1.5V) \times 2, 6F22(9V) \times 1
- SIZE & WEIGHT 100(W) \times 150(H) \times 38(D)mm, APPROX. 260g(NET)
- ACCESSORIES TEST LEADS, CARRYING CASE

■ TM-501A

아날로그 멀티미터 (ANALOG MULTIMETER)



- 메타 보호 및 저항소손 방지(휴즈단락)
- DC 10A 레인지
- 도통시험(LED)
- 배터리 체크(1.5V)

- FUSE & DIODE PROTECTION
- DC 10A RANGE
- CONTINUITY CHECKING WITH LED INDICATOR
- BATTERY CHECK(1.5V)

SPECIFICATIONS

- DC VOLTAGE 0-0.25-2.5-10-50-250-1000V(20K Ω /V) \pm 4%F.S
- DC A 0-50 μ A-2.5mA-25mA-250mA-10A \pm 4%F.S
- AC VOLTAGE 0-10-50-250-1000V(9K Ω /V) \pm 5%F.S
- OHMS 0-2K Ω -20K Ω -200K Ω -2M Ω -20M Ω \pm 4%F.S
- LI 0-150 μ A-1.5mA-15mA-150mA
- LV 0-3V
- CONTINUITY LED LIGHT(AT BELOW 10 Ω)
- POWER SUPPLY R6(1.5V) \times 2, 6F22(9V) \times 1
- SIZE & WEIGHT 100(W) \times 150(H) \times 38(D)mm, APPROX. 260g(NET)
- ACCESSORIES TEST LEADS, CARRYING CASE

■ TM-360R

아날로그 멀티미터 (ANALOG MULTIMETER)



- 메타 보호 및 저항소손 방지(휴즈단락)
- 44uA의 감도
- 최신의 기술로 본체에 리드부착
- 보급형 다기능 멀티테스터
- FUSE & DIODE PROTECTION
- SENSITIVITY OF 44uA AT FULL SCALE
- TEST LEAD CONNECTED DIRECTLY TO METER
- STANDARD CASE

SPECIFICATIONS

- DC VOLTAGE 0-0.5-2.5-10-50-250-1000V ±5%F.S
- DCmA 0-50uA-2.5-25-250mA ±5%F.S
- AC VOLTAGE 0-10-50-250-1000V ±5%F.S
- OHMS 0-2KΩ-200KΩ-2MΩ-20MΩ ±5%F.S
- LI 0-140uA-1.4mA-140mA
- LV 0-3V
- POWER SUPPLY R6(1.5V)×2, 6F22(9V)×1
- SIZE & WEIGHT 127(W)×152(H)×40(D)
APPROX. 345g(NET)
- ACCESSORIES CARRYING CASE, TEST LEADS

■ TK-260TR

아날로그 멀티미터 (ANALOG MULTIMETER)



- 메타 보호 및 저항소손 방지(휴즈단락)
- 도통시험(부저)
- 트랜지스터 극성 및 양부검사
(TR소켓을 이용하여 LED발광)

- FUSE & DIODE PROTECTION
- CONTINUITY CHECK(BEEPER)
- TRANSISTOR CHECK(LED)

SPECIFICATIONS

- DC VOLTAGE 0-2.5-10-50-250-1000V ±4%F.S
- AC VOLTAGE 0-10-50-250-1000V ±5%F.S
- DCA 0-2.5-25-250mA-10A ±4%F.S
- OHMS 0-2KΩ-20KΩ-2MΩ-20MΩ ±4%F.S
- DECIBELS -10dB ~ +22dB(AC10V) ~ +62dB
- CONTINUITY BEEPER(50Ω OR LESS)
- POWER SUPPLY R6(1.5V)×2, 6F22(9V)×1
- SIZE & WEIGHT 101(W)×150(H)×44(D)mm,
APPROX. 370g(NET)
- ACCESSORIES TEST LEADS, CARRYING CASE

■ TM-200

아날로그 멀티미터 (ANALOG MULTIMETER)



- 메타보호 및 저항소손 방지(휴즈단락)
- 저가보급형
- 편리한 리드 부착형
- 배터리 테스트(1.5V, 9V)

- SMALL TYPE
- LOW PRICE
- TEST LEAD CONNECTED DIRECTLY TO METER
- BATTERY TEST (1.5V, 9V)
- FUSE & DIODE PROTECTION

SPECIFICATIONS

- AC VOLTAGE 0-50-250-500V ±5%F.S
- DC VOLTAGE 0-10-50-250-500V ±5%F.S
- DCmA 0-250mA ±5%F.S
- OHMS 0-5KΩ-500KΩ ±5%F.S
- BATTERY TEST 1-5V, 9V(BAD~?~GOOD)
- POWER SUPPLY R6(1.5V)×1
- SIZE & WEIGHT 78(W)×98(H)×28(D)mm
APPROX. 140g(NET)



TESTEK-303A

온습도계 (DIGITAL HYGRO-THERMOMETER)



- 대용량 화면
- 섭씨(°C), 화씨(°F), 습도
- 시간, 날짜, 알람 설정기능

SPECIFICATIONS

- TEMPERATURE : -50°C~70°C
- TEMPERATURE RESOLUTION : 0.1°C
- RELATIVE HUMIDITY : 10%~99%
- POWER : R6 AAA1.5V×1PC
- DIMENSION : 106mm X 98mm X 22mm

- LED DISPLAY IS 29mm HIGH
- °C, °F, HUMIDITY DISPLAY
- CLOCK, CALENDER, ALARM FUNCTION

TESTEK-301

탐침온도계 (WATERPROOF DIGITAL THERMOMETER)



- 방수형온도계
- 넓은온도 측정범위
- 스테인레스 센서봉
- °C/°F선택기능
- MAX/MIN 메모리 기능
- 센서봉 보호커버
- 자동전원 잠금기능 (12분)

SPECIFICATIONS

Measurement Range	-50°C~300°C(-58°F~572°F)
Accuracy	±2°C(-50°C~200°C) ±3°F(-58°F~392°F) ±3°C(200°C~300°C) ±5°F(-392°F~572°F)
Resolution	0.1°C
Response Time	1sec
Operation Temperature	-10°C~50°C
Power	LR44×1개
Dimensions	205×23×23mm Probe Size:125mm

- Wide Measurement Range
- Waterproof
- Stainless Steel Probe
- °C/°F Selectable
- MAX/MIN Temp. MEMORY
- Protective Probe Cover
- Auto power off : 12min

TK-305

비접촉식 적외선 온도계 (PORTABLE INFRARED THERMOMETER)



- 간단하고 편리한 측정
- 화씨, 섭씨 온도표시
- 측정치 홀드표시
- 배터리 접압부족 표시
- 레이저광선 표시
- 백라이트 기능

SPECIFICATIONS

Measurement Range	-38°C ~ 365°C
Resolution	0.2°C (0.5°F)
Accuracy	-38°C~0°C ±(2.5°C+0.05/degree C) 0°C~365°C F. S±2.5%또는 2.5°C 중 큰쪽
Distance : Spot	12 : 1
Response Time (90%)	1sec
Operating Temperature	0°C ~ 50°C
Storage Temperature	-20°C~65°C
Emissivity	0.95 fixed
Auto Power Off	15sec
Power	AAA(1.5V) × 2pcs
Dimensions	155×40×113mm, 173g(Including Battery)

- Manual Range
- Continuous Measurement
- Display Measurement Value Hold
- Display Battery Voltage Lack
- Display Laser Beam
- Backlight Function

■ TK-306IR

비접촉식 적외선온도계 (PORTABLE INFRARED THERMOMETER)



- 디지털 온도 표시
- 측정치 홀드 표시
- 배터리 전압부족 표시
- 레이저 광선 표시
- 백라이트 기능
- DISPLAY DIGITAL TEMPERATURE
- DISPLAY MEASUREMENT VALUE HOLD
- DISPLAY BATTERY VOLTAGE LACK
- DISPLAY LASER BEAM
- BACKLIGHT FUNCTION

SPECIFICATIONS

Measurement Range	-35°C ~ 365°C
Resolution	0.2°C (0.5°F)
Accuracy	-35°C ~ 0°C ±2°C of reading or ±2°C 0°C ~ 365°C ±2.5% of reading or ±2.5°C
Distance : Spot	8 : 1
Response Time (90%)	1sec
Operating Time	0°C ~ 50°C
Storage Temperature	-20°C~65°C
Emissivity	0.95 fixed
Auto Power Off	15sec
Power	AAA(1.5V) × 2pcs
Dimensions	172.9×36×71.5mm, 152g(INCLUDING BATTERY)

■ TK-307A

비접촉식 적외선온도계 (PORTABLE INFRARED THERMOMETER)



- 디지털 온도 표시
- 측정치 홀드 표시
- 배터리 전압부족 표시
- 레이저 광선 표시
- 백라이트 기능
- 화씨, 섭씨 온도 표시
- 연속측정 기능
- DISPLAY DIGITAL TEMPERATURE
- DISPLAY MEASUREMENT VALUE HOLD
- DISPLAY BATTERY VOLTAGE LACK
- DISPLAY LASER BEAM
- BACKLIGHT FUNCTION
- CONTINUOUS MEASUREMENT FUNCTION

SPECIFICATIONS

Measurement Range	-60°C ~ 550°C
Resolution	0.1°C
Accuracy	-60°C ~ 0°C ±2°C 0°C ~ 550°C F.S ±2% or 2°C Whichever is greater
Distance : Spot	12 : 1
Response Time (90%)	1sec
Operating Time	0°C ~ 50°C
Storage Temperature	-20°C~65°C
Emissivity	0.95 fixed
Auto Power Off	1minutes
Power	AAA(1.5V) × 2pcs
Dimensions	148×112×41mm, 167.5g(INCLUDING BATTERY)

■ TK-308

듀얼레이저 적외선온도계 (DUAL LASERS INFRARED THERMOMETER)



- DUAL LASER 기능
- 화씨, 섭씨 온도 표시
- 측정치 홀드 표시
- 배터리 전압부족 표시
- 백라이트 기능
- 열전대 소켓 측정기능(PRB모드)
- 연속측정 기능
- DUAL LASER FUNCTION
- CONTINUOUS MEASUREMENT FUNCTION
- DISPLAY MEASUREMENT VALUE HOLD
- DISPLAY BATTERY VOLTAGE LACK
- BACKLIGHT FUNCTION
- PRB MODE FUNCTION

SPECIFICATIONS

Item	Non-contact Infrared Scan function	Thermocouple probe Scan function (K-type probe not included)
Measurement Range	-60°C~1000°C (-76°F~1832°F)	-64°C~1400°C (-83.2°F~2552°F)
Resolution	0.1°C(0.1°F)	
Accuracy	±1.0°C(1.8°F)	±1.0% or 1°C(1.8°F) whichever is greater
Tamb:23±3°C	F.S ±2% or 2°C(4°F) whichever is greater	(Test under temp=23.6°C)
Auto Power Off	1minutes	12minutes
Distance : spot	30:1	
Emissivity	0.95 default-adjustable 0.1 to 1 step.01	
Response Time(90%)	1sec	
Operating Temperature	0°C~50°C	
Storage Temperature	-20°C~65°C	
Battery Life	TYP. 180, min 140 hours continuous use (Alkaline, without Laser and Back Light)	
Power	Alkaline AAA(1.5V) x 2pcs	
Dimensions(mm)	119.2×47.5×171.8mm, 255.7g(including batteries)	



TK-309

듀얼레이저 적외선온도계 (DUAL LASERS INFRARED THERMOMETER)



- DUAL LASER 기능
- DUAL LASER FUNCTION
- LED flash light 기능
- LED FLASH FUNCTION
- 화씨, 섭씨 온도 표시
- CONTINUOUS MEASUREMENT FUNCTION
- 측정치 홀드 표시
- DISPLAY MEASUREMENT VALUE HOLD
- 배터리 전압부족 표시
- DISPLAY BATTERY VOLTAGE LACK
- 백라이트 기능
- BACKLIGHT FUNCTION
- 열전대 소켓 측정기능(PRB모드)
- PRB MODE FUNCTION
- 연속측정 기능

SPECIFICATIONS

Item	Non-contact Infrared Scan function	Thermocouple probe Scan function (K-type probe not included)
Measurement Range	-60℃~1500℃ (-76°F~2732°F)	-64℃~1400℃ (-83.2°F~2552°F)
Resolution Tobj=15~35℃	0.1℃(0.1°F)	
Accuracy Tamb:25℃	±1.0℃(1.8°F)	±1.0% or 1℃(1.8°F) whichever is greater (Test under temp=23.6℃)
Tamb:23±3℃	F, S ±2% or 2℃(4°F) whichever is greater	
Auto Power Off	1minutes	12minutes
Distance : spot	50:1	
Emissivity	0.95 default – adjustable 0.1 to 1 step.01	
Response Time(90%)	1sec	
Operating Temperature	0℃~50℃	
Storage Temperature	-20℃~65℃	
Battery Life	TYP. 180, min 140 hours continuous use (Alkaline, without Laser and Back Light)	
Power	Alkaline AAA(1.5V) x 2pcs	
Dimensions(mm)	47X197X203.3mm, 386.1g(including batteries)	

TK-310

고온측정용 적외선온도계 (HIGH TEMPERATURE MEASUREMENTS INFRARED THERMOMETER)



- DUAL LASER 기능
- DUAL LASER FUNCTION
- 화씨, 섭씨 온도 표시
- CONTINUOUS MEASUREMENT FUNCTION
- 측정치 홀드 표시
- DISPLAY MEASUREMENT VALUE HOLD
- 배터리 전압부족 표시
- DISPLAY BATTERY VOLTAGE LACK
- 백라이트 기능
- BACKLIGHT FUNCTION
- 메모리 기능
- MEMORY FUNCTION
- 열전대 소켓 측정기능(PRB모드)
- PRB MODE FUNCTION
- 연속측정 기능

SPECIFICATIONS

Item	Non-contact Infrared Scan function	Thermocouple probe Scan function (K-type probe included)
Measurement Range	200℃~2400℃ (392°F~4352°F)	-64℃~1400℃ (-83.2°F~2552°F)
Resolution	0.1℃(0.1°F)	
Accuracy (Tamb:23±3℃)	±2% of reading	±1.0% or 1℃(1.8°F) whichever is greater (Test under temp=23.6℃)
Auto Power Off	1minutes	12minutes
Distance : spot	100:1	
Emissivity	0.95 default – adjustable 0.1 to 1 step.01	
Response Time(90%)	1sec	
Operating Temperature	0℃~50℃	
Storage Temperature	-20℃~65℃	
Memory	Detailed 24 Memories with Temperature & Emissivity	
Battery Life	TYP. 180, min 140 hours continuous use (Alkaline, without Laser and Back Light)	
Power	Alkaline AAA(1.5V) x 2pcs	
Dimensions(mm)	233.8X207.6X60.6mm, 550g(including batteries)	

■ TK-102

무선 센서 감지기 (WIRELESS SENSOR GATEKEEPER)



송신기

수신기

- 무선 센서 송신기 및 무선 수신기 1조
- 송신기 및 수신기 통달 거리 약 15m~20m
- 상하 감지각도 5° 좌우 감지각도 45°
- 인체감지 및 문지기 등 다용도 활용
- 멜로디 음, 딩동 음
- WIRELESS SENSE TRANSMITTER & WIRELESS RECEIVER 1SET
- DISTANCE APPROX 15M~20M
- SENSING ANGLE RIGHT & LEFT 45°, UP & DOWN 5°
- DIMENSIONS TRANSMITTER 70(W)×114(H)×43(D)mm
- TOTAL WEIGHT APPROX. 165g (NOT INCLUDING BATTERIES)
- POWER SUPPLY
TRANSMITTER : DC 6F22(9V)×1PC
RECEIVER : R6 'AA'(1.5V)×2PCS

■ TK-103

일체형 센서 감지기 (SINGLE SENSOR GATEKEEPER)



- 인체감지센서 및 알람
- 상하 감지각도 : 5°
- 좌우 감지각도 : 45°
- 센서 감지거리 : 4m~5m
- SENSING ANGLE RIGHT & LEFT 45°, UP&DOWN 5°
- SENDING DISTANCE 4M~5M
- POWER SUPPLY R6 'AA'(1.5V)×2PCS
- DIMENSIONS 70(W)×114(H)×43(D)mm
- WEIGHT APPROX. 120g(NET)

■ TK-104

무선 차임벨 (WIRELESS CHIME)



- 배선이 필요없고 설치가 간편함
- 송신기 및 수신기 동작 거리 약 15m~20m
- NO WIRING & SIMPLE ESTABLISHMENT
- DISTANCE APPROX 15M~20M
- POWER SUPPLY
TRANSMITTER : DC 3V "AA" 1.5V×2pcs
RECEIVER : DC 12V(R 23V)×1pc
- WEIGHT & SIZE
TRANSMITTER : 69(W)×39(H)×20(D)mm
APPROX. 30g(NET)
RECEIVER : 70(W)×113(H)×31(D)mm
APPROX. 85g(NET)



KOTELYZER 91A, 90C

휴대용 가스인두기 (GAS SOLDERING IRON)



- 수초만에 사용온도 도달, 온도조절이 용이함.
- 납땀인두와 열풍기를 겸용으로 사용 가능
- 전원이 없는 실외에서도 작업이 가능하며, 많은 열용량이 필요한 작업에 적합함.
- 온도 범위 : 250℃ ~ 500℃
- 점화방식 : 자동점화 (가스인두기전용가스 TK-90 사용)
- Quick heat up in seconds, Temperature control is easy.
- Combination can be used as a soldering iron and hot air.
- Cordless is extremely handy to work.
- Power source is unnecessary and you can use it anywhere.
- Temperature range : 250℃~500℃
- System : Auto ignition.(Butane gas TK-90)

SPECIFICATIONS

SPEC \ MODEL	91A	90C
Overall length	208mm	265mm
Net weight	66g	100g
Heat output	15W ~ 60W	250℃ ~ 500℃ 20W ~ 80W
Hot blow	650℃	650℃
Gas tank capacity	14cc	28cc
Operation time for one fill of gas	75min	120min

TK-911

휴대용 가스인두기 (GAS SOLDERING IRON)



- 3 in 1 design(가스인두기, 토치, 열풍기)
- 수초만에 사용온도 도달, 온도 조절이 용이함
- 점화방식 : 자동점화
- 3 in 1 design (soldering iron, torch, hot air)
- Quick heat up in seconds. temperature control is easy.
- System : Auto ignition

SPECIFICATIONS

System	Auto ignition
Gas tank capacity	20cc
Operation time for one fill of gas	60min
Weight	93g
Dimension	236X32X37mm
Using gas	Butane gas(TK-90)

TK-90

가스인두기전용가스 (BUTANE GAS FOR SOLDING IRON)



- 충전용 순정 고순도 정제가스
- 가스 인두등 각종 가스를 사용하는 열기기 충전용 (Kotelyzer 91A, 90C, TK-911 기타 가스 기기)
- NET : 150g (265cc)

TK-130P/TK-130G

세라믹 인두기 (CERAMIC SOLDERING IRON)



- 긴수명의 일체 NAKAJIMA사의 팁 사용
- 일체 KYOCERA사의 세라믹 히터 사용
- 부품손상과 누전에 대비한 접지코드 사용
- 자동 온도조절

※ The TK-130P(Pen type) and TK-130G(Gun type) features two operating wattages from 20W to 130W, which can be switched by simply pressing a button according to the component size you want to solder.

※ The design allows full concentration on the work by making it easy to see the tip.

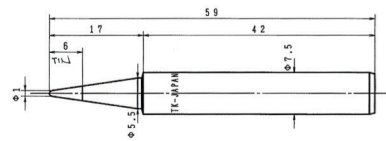
SPECIFICATIONS

- MODEL NO. Pen type TK-130P, Gun type TK-130G
- VOLTAGE AC220V 50Hz/60Hz
- POWER CONSUMPTION 20 to 130W
- TIP TEMPERATURE 300 to 500°C
- HEATING ELEMENT CERAMIC HEATER
- INSULATION RESISTANCE OVER 100MΩ
- APPROX. 150g (NET)

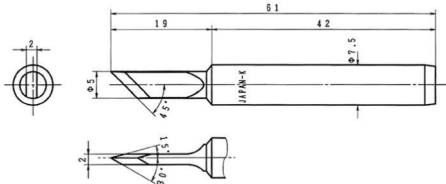
표준 사용 팁(TIP)



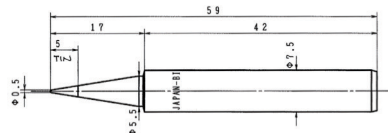
TK-130-T-B



TK-130-T-K



TK-130-T-BI





TK7 Series

디지털 온도조절기 (DIGITAL TEMPERATURE CONTROLLER)



- 제어 목표값 설정 제한 기능
- 다양한 경보 출력 기능
- 현재 측정값 보정 기능
- 센서에서 제어 출력 형태 선택 기능
- 제어기(컴프레사 등)보호를 위한 제어 출력 시간 제한 기능
- 안정적인 온도 제어를 위한 제어 출력 편차 조절기능
- Control target value set limit function.
- Various alarm output function
- Input correction function
- Control output type selection function
- Output time limit function
- Temperature deviation control function

SPECIFICATIONS

SPEC \ MODEL	TK7000	TK7001	TK7002	TK7003
Power Supply(전원)	220VAC 50/60HZ(허용 전원전압범위 : 90~110%)			
Power Consumption(소비전력)	약 2.5VA			
Display & Setting(표시 및 설정)	7 Segment 3형 LED 표시 및 전면 키 조작 방식			
Input Sensor(입력)	NTC-10KGJG			
Control Method(제어방식)	on/off 제어 방식 0.0~99.9°C 편차 조절			
Control Output(제어출력)	Relay 출력 1점 250V 5A 1a 저항성 부하			
Auxiliary Output(보조출력)	None	경보출력1점 (Relay250V 3A 1a)	제상출력 1점 (Relay250V 3A 1a)	경보출력1점 팬 출력 1점 (Relay250V 3A 1a)
Display Accuracy(표시정도)	F.S±1% or 3°C whichever is greater			
Ambient Environment(사용주위환경)	-10~50°C 35~85RH			
Dimension(크기)	76(W) X 35(H) X 77(D)mm			

TM6

디지털 판넬 미터 (DIGITAL PANEL METER)



- 최대표시 : 1999
- 7Segment LED Display
- 입력사양에 따른 선형 표시
- Maximum display : 1999
- 7Segment LED Display
- According to the input specification linear display

SPECIFICATIONS

SPEC \ MODEL	TM6-AV550	TM6-AA5
Power Supply(전원)	AC220V 60Hz	
Power Consumption(소비전력)	약2VA	
Display & Setting(표시 및 설정)	7Segment LED Display	
Input Sensor(입력)	AC550V input	AC5A input
Display Accuracy(정도)	F.S±0.3% rdg±1dgt	
A/D Method(A/D방식)	a double integral	
Operating Temperature(사용온도)	-10 ~ 50°C	
Weight(중량)	126.5g	
Dimension(크기)	76(W) X 35(H) X 76(D)mm	

테스트 리드 (TEST LEAD)



MTL-01
(바나나리드)

아날로그용



MTL-02
(ㄱ자리드)

디지털용



ITL-01
(메가리드)

절연저항계용



MTL-04
(저가형)

아날로그용

테스트 리드 & 온도 측정용 프로브 (TEST LEAD & TEMPERATURE PROBE)



MTL-03

고급형 1M리드



ELLIGATOR CLIP

악어클립



(TPK-01)

TK-202



(TPK-02)

TK-4002

접지저항계용 부속품 (EARTH TEST ACCESSORIES)



MEASURING
CORDS

접지저항계 리드(5 · 10 · 15m)



SIMPLE
MEASURING CORD

간단측정용 코드



AUXILIARY
EARTH RODS

접지봉



SACK

가 방

전시판매장(Show Room)



영업안내

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- FLUKE ,PHILIPS 부산 경남대리점
- SANWA, HIOKI, YOKOKAWA, TESTON취급점
- 국산 및 외산 전자 전기 통신 환경 계측기 현품판매
- 각종 전자 전기 통신공구 및 허가장비 판매

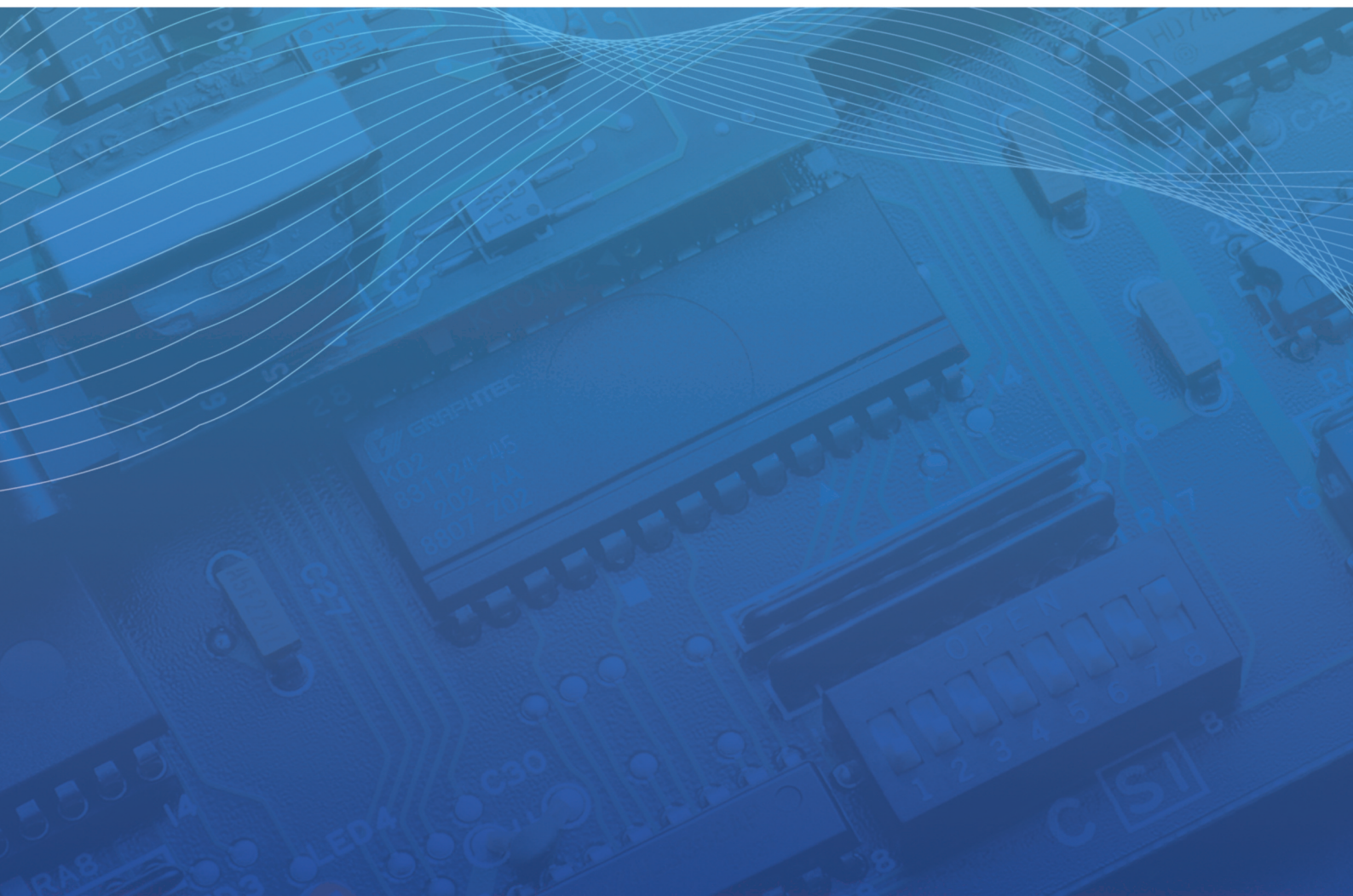
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부산광역시 부산진구 전포대로 223번길 20(전포동)
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판매대리점

