HIGH SAFETY "UL" APPROVED DIGITAL CLAMPMETERS

2000A AC / DC TRMS CLAMPMETER WITH VFD, EF-DETECTION & PC INTERFACE Model - KM 2777

CAT IV 1000V

12KV Transient Protection



- **DC Voltage Basic Accuracy :** 0.5%
- **Sensing :** TRMS sensing
- **Jaw Opening :** 55mm max.
- **Display :** 3-5/6 digits 6000 counts backlight LCD display & 3-1/2 digits 1999 Counts for Hz secondary display

FUNCTIONS :

- **AC CURRENT(Clamp on) (50 Hz ~ 400 Hz) :** 100 mA ~ 2000 A.
- **DC CURRENT(Clamp on) :** 100 mA ~ 2000 A.
- **DC + AC CURRENT(Clamp on) (50 Hz ~ 400 Hz) :** 100 mA ~ 2000 A.
- **DC Voltage :** 1 mV ~ 1000 V.
- **AC Voltage (50 Hz ~ 400 Hz) :** 1 mV ~ 1000 V.
- **AC+DC Voltage (DC 50 Hz ~ 400 Hz) :** 1 mV ~ 1000 V.
- **VFD_ACV (with low pass filter) (10 Hz ~ 400 Hz) :** 1 mV ~ 1000 V.
- **Autocheck ACV (50 Hz ~ 60 Hz) :** 1 mV ~ 1000 V.
- **Autocheck DCV :** 1 mV ~ 1000 V.
- **Capacitance :** 10 pF ~ 2000 µF.
- **Ohm & Autocheck Ohm :** 0.1Ω ~ 40.00 MΩ.
- **Temperature :** -50°C ~ 1000°C
- **~Hz Line Level Frequency :** 10 Hz ~ 1999 Hz.

SAFETY :

- Double insulation per UL/IEC/EN61010-1 Ed. 3.0, IEC/EN61010-2-033 Ed. 1.0, CAN/CSA C22.2 No. 61010-1 Ed. 3.0, IEC/EN61010-2-032 Ed. 3.0 & IEC/EN61010-031 Ed. 1.1 to CAT IV 1000V & AC & DC.
- EMC: Meets EN61326-1:2006
- Rugged fire retarded casing.
- **Transient Protection :** 12KV (1.2/50µs surge)

ADDITIONAL FUNCTIONS :

- 5ms CREST-MAX capture mode (Peak Hold) to capture inrush current.
- Autoranging Relative-Zero mode & Data Hold function.
- Probe contact, Non-Contact EF-Detection, Diode Test & Continuity Test.
- Low Battery Indication & Auto Power Off after 34 minutes
- PC Interface (Optional) .

- **Power supply :** Standard 1.5V AA Battery x 2.
- **Weight :** Approx. 608 gm.
- **Dimension :** Approx. 264(L) x 97(W) x 43(H) mm
- **Accessories :** Test leads (pair), User Manual, Bkp60 banana plug K-type Thermocouple (upto 250°C) & Carrying case.
- **Optional Accessories :** USB interface kit BRUA-19X, BKB32 banana plug to type-K socket plug adaptor

1000A AC+DC TRMS CLAMPMETER WITH VFD, EF-DETECTION Model - KM 088

CAT III 1000V
CAT IV 600V

8KV Transient Protection



- **Sensing :** TRMS
- **Jaws Opening size :** 51mm Max. with AmpTip
- **Display :** 3-5/6 digits 6000 counts backlight LCD display, flashlight for easy operation in dim areas.
- **AmpTip for accurate low current measurement.**

FUNCTIONS :

- **AC Current(Clamp on) (40Hz~400Hz) :** 0.01 A~1000 A.
- **DC Current(Clamp on) :** 0.01 A ~ 1000 A.
- **DC+AC Current(Clamp on) (40Hz ~ 400Hz) :** 0.01 A ~ 1000A.
- **DC Voltage :** 0.1 V ~ 1000 V.
- **AC Voltage (Low-pass-filter) (50Hz ~ 400Hz) :** 0.1 V ~ 1000 V.
- **DC + AC Voltage (Low-pass-filter) (50Hz ~ 400Hz) :** 0.1 V ~ 1000 V.
- **AmpTip™ (Clamp on) AC / DC Current :** 0.01A ~ 60A
- **AmpTip™ (Clamp on) DC+AC Current :** 0.01A ~ 60 A
- **Capacitance :** 0.1 µF ~ 2500 µF.
- **Resistance :** 0.1 Ω ~ 60 KΩ.
- **~Hz Line Level Frequency :** 5 Hz ~ 999.9 Hz.

SAFETY :

- Double insulation per UL/IEC/EN61010-1 Ed. 3, IEC/EN61010-2-033 Ed. 1, CAN/CSA C22.2 No. 61010-1 Ed. 3.0, IEC/EN61010-2-032 Ed. 3.0 & IEC/EN61010-031 Ed. 1.1 to CAT III 1000V & CAT IV 600V AC & DC
- EMC: Meets EN61326-1:2006
- Rugged fire retarded casing.
- **Transient Protection :** 8KV (1.2/50µs surge)

ADDITIONAL FUNCTIONS :

- 5ms CREST (Instantaneous Peak Hold) mode.
- MAX/MIN/AVG Recording mode (Auto ranging)
- VFD function for V & Hz .
- Autoranging Relative DC-Zero mode & Data Hold .
- Non-Contact & Probe Contact EF-Detection.
- Low Battery Indication & Auto Power Off after 32 minutes
- Diode Test & Continuity Test.

- **Power supply :** Standard 1.5V AA Battery x 2.
- **Weight :** Approx. 392 gm.
- **Dimension :** Approx. 258(L) x 94(W) x 44(H) mm
- **Accessories :** Test lead set, User Manual, & Soft carrying Case.

1000A AC TRMS CLAMPMETER WITH VFD, EF-DETECTION Model - KM 086

CAT III 1000V
CAT IV 600V

8KV Transient Protection



- **Sensing :** TRMS
- **Jaws Opening size :** 51mm Max. with AmpTip
- **Display :** 3-5/6 digits 6000 counts backlight LCD display.
- **AmpTip for accurate low current measurement.**

FUNCTIONS :

- **AC CURRENT(Clamp on) :** 0.01 A ~ 1000 A.
- **DC Voltage :** 0.1 V ~ 1000 V.
- **AC Voltage (Low-Pass Filter) :** 0.1 V ~ 1000 V.
- **AmpTip™ (Clamp on) AC Current :** 0.01A ~ 60 A.
- **DC µA (Via Testlead) :** 0.1µA ~ 2000 µA.
- **Capacitance :** 0.1 µF ~ 2500 µF.
- **Resistance :** 0.1 Ω ~ 60 KΩ.
- **Temperature :** -40°C ~ 400°C
- **~Hz Line Level Frequency :** 5 Hz ~ 999.9 Hz.

SAFETY :

- Double insulation per UL/IEC/EN61010-1 Ed. 3.0, IEC/EN61010-2-032 Ed. 1.0, CAN/CSA C22.2 No. 61010-1 Ed. 3.0, IEC/EN61010-2-032 Ed. 3.0 & IEC/EN61010-031 Ed. 1.1 to CAT III 1000V & CAT IV 600V AC & DC
- EMC: Meets EN61326-1:2006
- Rugged fire retarded casing.
- **Transient Protection :** 8KV (1.2/50µs surge)

ADDITIONAL FUNCTIONS :

- 5ms CREST (Instantaneous Peak Hold) mode.
- MAX/MIN/AVG Recording mode (Auto ranging)
- VFD function for V & Hz .
- 3 Phase Rotation-R for Mains supply.
- 3 Phase Rotation-M for Motors.
- Autoranging Relative DC-Zero mode & Data Hold .
- Non-Contact EF-Detection & Diode & Continuity Test.
- Low Battery Indication & Auto Power Off after 32 minutes

- **Power supply :** Standard 1.5V AA Battery x 2.
- **Weight :** Approx. 312 gm.
- **Dimension :** Approx. 258(L) x 94(W) x 44(H) mm
- **Accessories :** Test lead set, User Manual, Bkp60 banana plug K-type Thermocouple (upto 250°C), Alligator clip set & Carrying Case
- **Optional Accessories :** BKB32 banana plug to type-K socket plug adaptor.