


Revolution of HV power supply!! High-power in such ultra slim body.

Versatile HV Power Supply AU series

AU series is a high-performance, high-reliability and high-quality DC high voltage power supply as a result of our high-voltage power technology built up over the years. High efficiency and ultra miniaturization is realized with our switching and voltage isolation technology.

You can choose the best model for your purpose from 1kV to 120kV/30W to 2.2kW, 321 models with many different options. Various remote control and monitor functions as standard equipment make it ideal for ATE (Automatic Test Equipment) system, various high-voltage experiments and testing inverter and power device. System extensibility becomes bigger by adding a digital control interface. AU series is only a third to a half the size of conventional power supplies and dedicate to compactness of device and saving space of facilities. In terms of safety double or triple protection is done.

《 GPIB 》 《 RS-232C 》 《 RS-485 》 《 USB 》

 Please ask for CE marked models.

APPLICATIONS

- ATE(Automatic Test Equipment)
- Testing and evaluation for inverter or power device
- X-ray tube ● Aging of electronic components
- Electron Beams ● Ion Beams
- Ion Implantation ● Capacitor Charging
- Insulator Testing ● All kinds of High-Voltage Testing



*Specifications, sizes and design included in this catalog are as of the time of its publication and are subject to change without notice for improvement.



WIDE RANGE OF LINEUP

You can choose a model of best output range and function from abundance of lineup of 1kV to 120kV/30W to 1.2kW, 315 models. Therefore you don't have to choose a product with over specifications hence avoiding wasted investment.

AU series has LC option for automatic switch of constant voltage/constant current modes as well as other various options such as different input voltage or slow ramp up are available.

The best model can be chosen depending on load and application.



FULL OF REMOTE FUNCTIONS

High-voltage output voltage and output current (output cut off value for standard type, and current limit value for AU with LC option) can be controlled. Also equipped with output ON/OFF, monitor output for voltage/current and status output of high voltage is equipped and door switch is standard as a safety function.

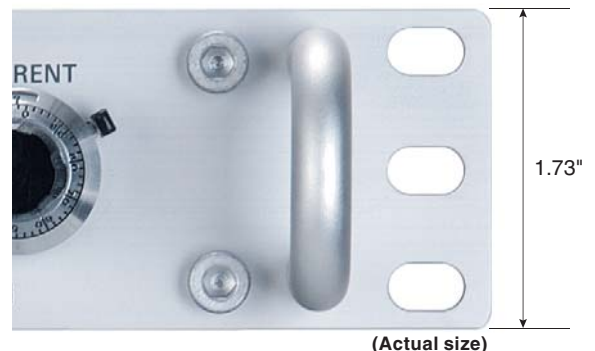
Also interface of GPIB, RS-232C, RS-485 and USB can be added as an option for computer control. A system integration with other measuring instruments or control devices can be constructed for faster testing and development. It's easy to build a system up with the combination of our DC (low voltage) power supplies or AC power supplies.



ULTRA SLIM / SPACE SAVING

Panel height is only 1.73" (models less than 1V to 60kV/30W to 300W) and 19-inch standard rack mount type. This is only a third to a half of the size of conventional power supplies. Miniaturization and high reliability that are conflicting themes for high-voltage power supplies are cleared by our high voltage insulation technology.

AU series has been receiving good reputation for applications requires space saving such as inspection system of production line, or requires combination several power supplies.



LINEUP

| Output Voltage | Output Current | Output Power | MODEL |
|----------------|----------------|--------------|-------------|
| 1kV | 30mA | 30W | AU-1*30 |
| | 60mA | 60W | AU-1*60 |
| | 100mA | 100W | AU-1*100 |
| | 150mA | 150W | AU-1*150 |
| | 300mA | 300W | AU-1*300 |
| | 600mA | 600W | AU-1*600 |
| | 1200mA | 1200W | AU-1*1200 |
| 1.5kV | 400mA | 600W | AU-1.5*400 |
| | 800mA | 1200W | AU-1.5*800 |
| | 1460mA | 2200W | AU-1.5*1460 |
| 2kV | 15mA | 30W | AU-2*15 |
| | 30mA | 60W | AU-2*30 |
| | 50mA | 100W | AU-2*50 |
| | 75mA | 150W | AU-2*75 |
| | 150mA | 300W | AU-2*150 |
| | 300mA | 600W | AU-2*300 |
| | 600mA | 1200W | AU-2*600 |
| 3kV | 10mA | 30W | AU-3*10 |
| | 20mA | 60W | AU-3*20 |
| | 33mA | 100W | AU-3*33 |
| | 50mA | 150W | AU-3*50 |
| | 100mA | 300W | AU-3*100 |
| | 200mA | 600W | AU-3*200 |
| | 400mA | 1200W | AU-3*400 |
| 5kV | 6mA | 30W | AU-5*6 |
| | 12mA | 60W | AU-5*12 |
| | 20mA | 100W | AU-5*20 |
| | 30mA | 150W | AU-5*30 |
| | 60mA | 300W | AU-5*60 |
| | 120mA | 600W | AU-5*120 |
| | 240mA | 1200W | AU-5*240 |
| 6kV | 5mA | 30W | AU-6*5 |
| | 10mA | 60W | AU-6*10 |
| | 16mA | 100W | AU-6*16 |
| | 25mA | 150W | AU-6*25 |
| | 50mA | 300W | AU-6*50 |
| | 100mA | 600W | AU-6*100 |
| | 200mA | 1200W | AU-6*200 |
| 10kV | 3mA | 30W | AU-10*3 |
| | 6mA | 60W | AU-10*6 |
| | 10mA | 100W | AU-10*10 |
| | 15mA | 150W | AU-10*15 |
| | 30mA | 300W | AU-10*30 |
| | 60mA | 600W | AU-10*60 |
| | 120mA | 1200W | AU-10*120 |
| 15kV | 2mA | 30W | AU-15*2 |
| | 4mA | 60W | AU-15*4 |
| | 6.6mA | 100W | AU-15*6.6 |
| | 10mA | 150W | AU-15*10 |
| | 20mA | 300W | AU-15*20 |
| | 40mA | 600W | AU-15*40 |
| | 80mA | 1200W | AU-15*80 |
| 20kV | 1.5mA | 30W | AU-20*1.5 |
| | 3mA | 60W | AU-20*3 |
| | 5mA | 100W | AU-20*5 |
| | 7.5mA | 150W | AU-20*7.5 |
| | 15mA | 300W | AU-20*15 |
| | 30mA | 600W | AU-20*30 |
| | 60mA | 1200W | AU-20*60 |

| Output Voltage | Output Current | Output Power | MODEL |
|----------------|----------------|--------------|-------------|
| 30kV | 1mA | 30W | AU-30*1 |
| | 2mA | 60W | AU-30*2 |
| | 3.3mA | 100W | AU-30*3.3 |
| | 5mA | 150W | AU-30*5 |
| | 10mA | 300W | AU-30*10 |
| | 20mA | 600W | AU-30*20 |
| | 40mA | 1200W | AU-30*40 |
| 40kV | 0.75mA | 30W | AU-40*0.75 |
| | 1.5mA | 60W | AU-40*1.5 |
| | 2.5mA | 100W | AU-40*2.5 |
| | 3.75mA | 150W | AU-40*3.75 |
| | 7.5mA | 300W | AU-40*7.5 |
| | 15mA | 600W | AU-40*15 |
| | 30mA | 1200W | AU-40*30 |
| 50kV | 0.6mA | 30W | AU-50*0.6 |
| | 1.2mA | 60W | AU-50*1.2 |
| | 2mA | 100W | AU-50*2 |
| | 3mA | 150W | AU-50*3 |
| | 6mA | 300W | AU-50*6 |
| | 12mA | 600W | AU-50*12 |
| | 24mA | 1200W | AU-50*24 |
| 60kV | 0.5mA | 30W | AU-60*0.5 |
| | 1mA | 60W | AU-60*1 |
| | 1.6mA | 100W | AU-60*1.6 |
| | 2.5mA | 150W | AU-60*2.5 |
| | 5mA | 300W | AU-60*5 |
| | 10mA | 600W | AU-60*10 |
| | 20mA | 1200W | AU-60*20 |
| 80kV | 0.37mA | 30W | AU-80*0.37 |
| | 0.75mA | 60W | AU-80*0.75 |
| | 1.25mA | 100W | AU-80*1.25 |
| | 1.87mA | 150W | AU-80*1.87 |
| | 3.75mA | 300W | AU-80*3.75 |
| | 7.5mA | 600W | AU-80*7.5 |
| | 15mA | 1200W | AU-80*15 |
| 100kV | 0.3mA | 30W | AU-100*0.3 |
| | 0.6mA | 60W | AU-100*0.6 |
| | 1mA | 100W | AU-100*1 |
| | 1.5mA | 150W | AU-100*1.5 |
| | 3mA | 300W | AU-100*3 |
| | 6mA | 600W | AU-100*6 |
| | 12mA | 1200W | AU-100*12 |
| 120kV | 0.25mA | 30W | AU-120*0.25 |
| | 0.5mA | 60W | AU-120*0.5 |
| | 0.83mA | 100W | AU-120*0.83 |
| | 1.25mA | 150W | AU-120*1.25 |
| | 2.5mA | 300W | AU-120*2.5 |
| | 5mA | 600W | AU-120*5 |
| | 10mA | 1200W | AU-120*10 |

* P...Positive output N...Negative output R...Reversible output
 <e.g.> AU-1R30 : 0V to ±1kV / 0mA to 30mA

Positive, negative or reversible high voltage with respect to chassis ground.

Units from 1kV to 6kV, the polarity may be reversed by swapping the internal cables.

Units from 10kV to 120kV, by swapping the internal high voltage module.

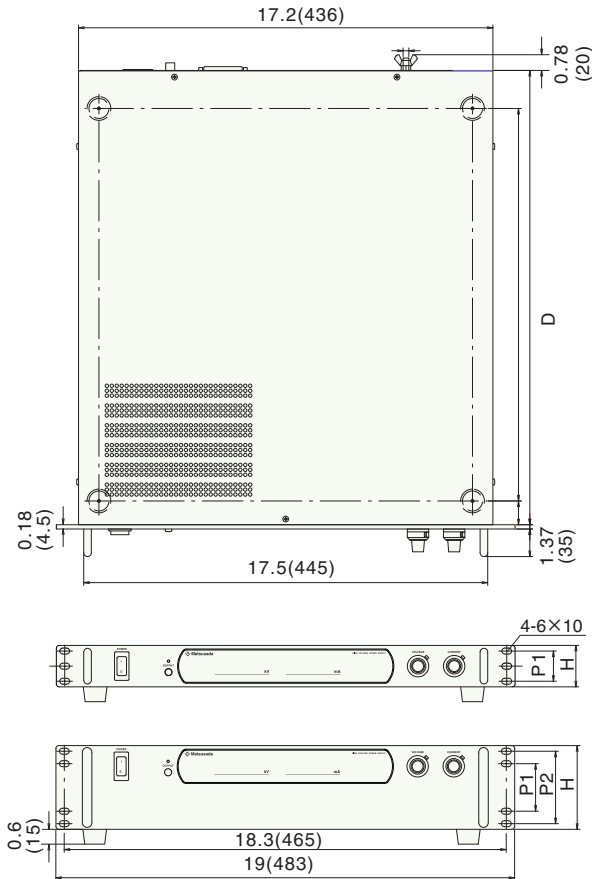
SPECIFICATIONS

| Input Voltage | 30W to 300W 100 to 120VAC $\pm 10\%$ 50/60Hz 1 \emptyset 600W to 2200W 200 to 240VAC $\pm 10\%$ 50/60Hz 1 \emptyset 2200W 200 to 240VAC $\pm 10\%$ 50/60Hz 3 \emptyset (option) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--|---------------------------|-------------|-------------|--------------|---------------------|---------------------|----------------|---------------------------|---------------------------|------------|---------------------|---------------------|------------|-------|---------|------------|-------|---------|------------|---------|--------|-------------|-------|--------|---------------------------|-------|--------|---------------------------|-------|---------|
| Input Power | <table border="1"> <thead> <tr> <th>INPUT \ OUTPUT</th> <th>100 to 120V</th> <th>200 to 240V</th> </tr> </thead> <tbody> <tr> <td>30W model</td> <td>90VA</td> <td>* 90VA</td> </tr> <tr> <td>60W model</td> <td>130VA</td> <td>* 130VA</td> </tr> <tr> <td>100W model</td> <td>200VA</td> <td>* 200VA</td> </tr> <tr> <td>150W model</td> <td>270VA</td> <td>* 270VA</td> </tr> <tr> <td>300W model</td> <td>520VA</td> <td>* 520VA</td> </tr> <tr> <td>600W model</td> <td>*1300VA</td> <td>1300VA</td> </tr> <tr> <td>1200W model</td> <td>—————</td> <td>2600VA</td> </tr> <tr> <td>2200W 1\emptyset model</td> <td>—————</td> <td>2800VA</td> </tr> <tr> <td>2200W 3\emptyset model</td> <td>—————</td> <td>*2800VA</td> </tr> </tbody> </table> <p style="text-align: right;">* option</p> | INPUT \ OUTPUT | 100 to 120V | 200 to 240V | 30W model | 90VA | * 90VA | 60W model | 130VA | * 130VA | 100W model | 200VA | * 200VA | 150W model | 270VA | * 270VA | 300W model | 520VA | * 520VA | 600W model | *1300VA | 1300VA | 1200W model | ————— | 2600VA | 2200W 1 \emptyset model | ————— | 2800VA | 2200W 3 \emptyset model | ————— | *2800VA |
| INPUT \ OUTPUT | 100 to 120V | 200 to 240V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30W model | 90VA | * 90VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60W model | 130VA | * 130VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100W model | 200VA | * 200VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150W model | 270VA | * 270VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 300W model | 520VA | * 520VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 600W model | *1300VA | 1300VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200W model | ————— | 2600VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200W 1 \emptyset model | ————— | 2800VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200W 3 \emptyset model | ————— | *2800VA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rush Current | <table border="1"> <thead> <tr> <th>INPUT \ OUTPUT</th> <th>100 to 120V</th> <th>200 to 240V</th> </tr> </thead> <tbody> <tr> <td>30W to 1200W</td> <td>30A (≤ 10ms)</td> <td>30A (≤ 10ms)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>INPUT \ OUTPUT</th> <th>1\emptyset 200 to 240V</th> <th>3\emptyset 200 to 240V</th> </tr> </thead> <tbody> <tr> <td>2200W</td> <td>50A (≤ 10ms)</td> <td>50A (≤ 10ms)</td> </tr> </tbody> </table> | INPUT \ OUTPUT | 100 to 120V | 200 to 240V | 30W to 1200W | 30A (≤ 10 ms) | 30A (≤ 10 ms) | INPUT \ OUTPUT | 1 \emptyset 200 to 240V | 3 \emptyset 200 to 240V | 2200W | 50A (≤ 10 ms) | 50A (≤ 10 ms) | | | | | | | | | | | | | | | | | | |
| INPUT \ OUTPUT | 100 to 120V | 200 to 240V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30W to 1200W | 30A (≤ 10 ms) | 30A (≤ 10 ms) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INPUT \ OUTPUT | 1 \emptyset 200 to 240V | 3 \emptyset 200 to 240V | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200W | 50A (≤ 10 ms) | 50A (≤ 10 ms) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output Voltage Control | Local mode : front panel 10-turn potentiometer Remote mode : external voltage source (Vcon) 0 to 10Vdc (input impedance greater than 1M Ω) or by external 5k Ω potentiometer | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage Regulation | Line : $\pm 0.005\%$ of maximum voltage for $\pm 10\%$ input line change Load : 0.005% of maximum voltage for full load change | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ripple | Less than 0.1%p-p | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stability | 0.01%/Hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Coef. | 100ppm/ $^{\circ}$ C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Overload Trip Level Adjust | Local mode : front panel 10-turn potentiometer Remote mode : external voltage source 0 to 10Vdc (input impedance greater than 1M Ω) or by external 5k Ω potentiometer Effective range : 10% to 100% of maximum output current | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Metering | 3 $\frac{1}{2}$ -digit voltage and current meters, accuracy :1% of maximum output | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Monitor Output | Voltage monitor 0 to 10V (output impedance 1k Ω typ), accuracy : 1% maximum voltage Current monitor 0 to 10V (output impedance 1k Ω typ), accuracy : 1% maximum current | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Protection | Over voltage protection.(Cut-off when 110% of rating, manual recovery) Over current protection.(high-voltage cut-off, manual recovery or recovery by remote set) Protection against output short-circuit and arc discharge. Over temperature protection.(output cut-off, manual recovery) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Output Connector | Proprietary Matsusada HV connector on rear panel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | Operating : 0 to +50 $^{\circ}$ C, Storage : -40 to +85 $^{\circ}$ C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Humidity | 20% to 80%RH(no condensation) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Weight | 8kg to 25kg depending on model | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Accessories | AC line input cable 2.5m Shielded HV output cable 2.5m (flying lead) Instruction manual | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

INPUT, OUTPUT CONNECTOR AND CABLE

| AC INPUT | Model | Diagram | Description | OUT INPUT | Model | Diagram | Description |
|----------|-------------------------------------|---------------------------------|-----------------|-------------|---------------------------------|---------|-------------|
| | 30W to 300W model | | with 3-pin plug | | See P.7 | | CN-□-MHVP |
| | 600W • 1200W model | | Terminal open | | | | |
| | L(220V)option for 30W to 300W model | | Terminal open | 2200W model | Contact to sales office nearby. | | |
| | 2200W model | Contact to sales office nearby. | | | | | |

DIMENSIONS inch(mm)



| MODEL | | STANDARD(EIA) | | | D |
|---------------|---------------|---------------|------------|---------|---------|
| | | H | P1 | P2 | |
| 1kV to 60kV | 30W to 300W | 1.73(44) | 1.25(31.8) | — | 19(483) |
| | 600W to 2200W | 3.50(89) | 1.96(50) | 3(76.2) | 19(483) |
| 80kV to 120kV | all models | 3.50(89) | 1.96(50) | 3(76.2) | 24(611) |

OPTIONS

| | |
|-------------------|--|
| -LC | Constant voltage and constant current Current regulation 0.05% (-LC option eliminates Overload Trip function) |
| -LF | Floating ground (withstanding voltage of 50Vdc) Used when measuring minimal current in load. *Cannot be used for the purpose of floating high-voltage power supply. |
| -LMs | Master slave control Maximum of 4 slave units can be controlled with one master unit. (Sum of maximum rated output shall be less than 6kW. Operation mode of model with LMs option shall be constant voltage/current(CV/CC) and the overlord trip function shall be eliminated.) |
| -LW | Slow start Takes about 10 seconds to reach a set voltage from when OUTPUT switch, remote switch and remote switch are turned on. |
| -L(220V) | 200VAC to 240VAC 1Ø input.(30W to 300W type only) |
| -L(115V) | 100VAC to 120VAC 1Ø input.(600W type only) |
| -L(U) | Input voltage switch over 100VAC to 120VAC/200VAC to 240VAC 1Ø input. Internal switch over.(30W to 300W type only) |
| -L(220V3P) | 200VAC to 240VAC 3Ø input(2200W type only) |

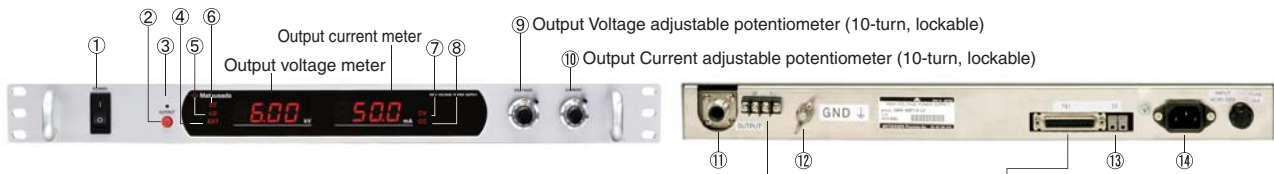
Output HV shielded cable over 2.5m available
(ask sales office in case longer cable more than 10m is required)

Add L mark to the model number when ordering (alphabetical order)
<e.g.> AU-30P5-LFW(220V)

*Digital control option is available with combination of CO series.

FUNCTION

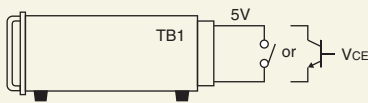
Normal operation Output ① → ② → ⑨ → ⑩, conversely to stop operation.



- ① **POWER ON/OFF switch:** This has priority over all operations.
 - ② **OUTPUT ON/OFF switch:** Used for urgent OFF or resume the output when remote mode as well as output ON/OFF when local mode. Also used for manual recovery of protection function. (Output is possible only when OUTPUT switch is ON even when remote)
 - ③ **OUTPUT ON display LED:** Lights up in a status when output is possible or when output. (Goes off when cut off by protection circuit)
 - ④ **External control display:** Lights up during external control.
 - ⑤ **Door switch display LED:** Lights up when door switch operates. (output cut off during the light is on)
 - ⑥ **Over temperature protection display LED:** Lights up when internal part reaches excess temperature by abnormal heating.
 - ⑦ **Operation mode display LED:** Lights up during operation of constant voltage.
 - ⑧ **Operation mode display LED:** Lights up when over current is cut off. Lights up during operation of constant current (unit with -LC option).
- ⑨ **Output Voltage adjustable potentiometer (10-turn, lockable)**
 - ⑩ **Output Current adjustable potentiometer (10-turn, lockable)**
 - ⑪ **Output connector**
(Matsusada's property)
 - ⑫ **GND Terminal (M6)**
 - ⑬ **S2 switch**
 - ⑭ **AC input connector**
30W to 300W model : Inlet
600W to 2200W model : terminal (M4)

REMOTE CONTROL CONNECTOR (TB1) D-Sub 25pin female (mating connector enclosed). Use for GPIB connection too.

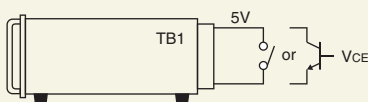
REMOTE/LOCAL change



| Mode | Output relay | Open collector |
|--------|--------------|--------------------|
| REMOTE | SHORT | $V_{CE} \leq 0.4V$ |
| LOCAL | OPEN | $V_{CE} \geq 2V$ |

Sink Current $\geq 10mA$

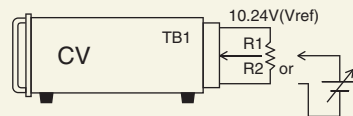
REMOTE HV ON/OFF



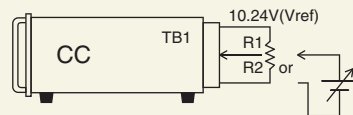
| Output | Output relay | Open collector |
|--------|--------------|--------------------|
| ON | SHORT | $V_{CE} \leq 0.4V$ |
| OFF | OPEN | $V_{CE} \geq 2V$ |

Sink Current $\geq 10mA$

OUTPUT CONTROL Remote analog programming



| Output Voltage | LRv | Vcon |
|----------------|---------------|--|
| 0 to MAX | R2: 0Ω to 5kΩ | 0V to 10V Input imp $\geq 1M\Omega$ |

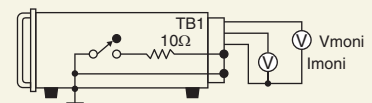


| *Output Current | LRC | Icon |
|-----------------|---------------|---------------------------------|
| 0 to MAX | R2: 0Ω to 5kΩ | 0V to 10V Input imp over 1MΩ |

*Model with -LC

- It is possible to conduct control with the combination of Vcon and output current setting potentiometer ⑩ of front panel.
- Open circuit (fixed at MAX value) is possible by entering Vref.

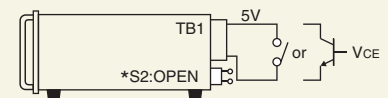
OUTPUT MONITOR and STATUS



Monitor output is 0 to 10V for 0 to Max. Output impedance 1kΩ

Internal relay of status output turns ON in a status when output is possible or when output (entrained to OUTPUT ON display LED). Contact open-circuit voltage 30V, permissible current 100mA max.

DOOR SWITCH

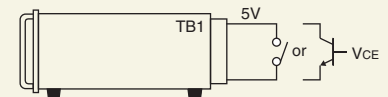


It is possible to output in external relay short or a status of Vce less than 0.4V. Output will be cut off when open or 2V or more. To resume the output again, turn OUTPUT switch ON after resetting by turning OUTPUT switch OFF in a status of short or less than 0.4V.

Sink Current $\geq 10mA$

*Door switch become effective when S2 terminal is open

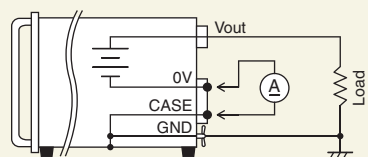
REMOTE RESET



| Output relay | Open collector | Timing |
|--------------|-------------------------|--------|
| OPEN | V_{CE} over 2V | |
| SHORT | V_{CE} less than 0.4V | |

Sink Current $\geq 10mA$

FLOATING GROUND TERMINAL (M4) OPTION



CaseGND and powersupplyGND can be isolated up to 50V. Minimal current in load can be measured by measuring the current between these 2 points to avoid the effect of ground noise.

*Not for floating HV power supply

High Voltage Output Connector and Cable



CN series is collection of high voltage connectors used for Matsusada products. They are highly reliable and easy connecting. With these high voltage connectors connecting power supplies to load shall be more easy, safe and reliable. General HV connectors are also available.

LINEUP/SPECIFICATIONS

| Max Voltage rating | Max Current rating | MODEL □ ... { P : Plug PP: Double plug R : Receptacle | Applicable models | Dimensions(mm) | | | | | | | | | | | Output cable Equiv. AWG | Drawing | |
|--------------------|--------------------|---|---------------------|----------------|----|----|-----|----|-----|-----|----|----|------|-------|-------------------------------|---------|---|
| | | | | A | B | C | D | E | F | G | H | I | J | K | | | |
| 15kV | 1.6A | CN-15-MHV□ | 1kV to 15kV models | Ø3.3 | 18 | 25 | M16 | 15 | 90 | Ø19 | Ø3 | Ø8 | 47 | Ø5.00 | 20 | e | |
| 30kV | 1.2A | CN-30-MHV□ | 20kV to 30kV models | Ø3.3 | 18 | 25 | M16 | 15 | 160 | Ø19 | Ø3 | Ø8 | 97 | Ø7.28 | 22 | g | |
| 45kV | 1.2A | CN-45-MHV□ | 40kV models | Ø3.3 | 18 | 25 | M16 | 15 | 225 | Ø20 | Ø6 | Ø8 | 157 | Ø10.3 | 18 | i | |
| 60kV | 1.2A | CN-60-MHV□ | 50kV to 60kV models | Ø3.3 | 18 | 25 | M16 | 15 | 400 | Ø25 | Ø8 | Ø8 | 238 | Ø10.3 | 18 | k | |
| 120kV | 1.2A | CN-120AR-MHVP | 80kV and up models | / | / | / | / | / | / | / | / | / | Ø105 | 370 | Ø13.8 | 10 | m |

The minimum-bending radius of a cable is 10 time of its diameter.
Operation temperature is between 0 and 50 .
The length of terminal is not included in the length of its cable.

Cable length

With plug : 2.5m (standard)
3m, 5m, 7m, 10m, 15m, 20m is also available.
(out of standard)

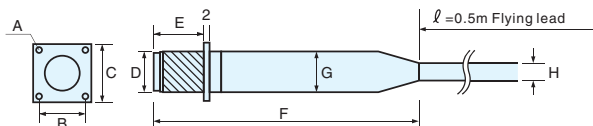
With receptacle : 0.5m (standard)
1m, 3m, 5m, 7m, 10m, 15m, 20m is also available.
(out of standard)

For extended and shorten cable add required meters to each model with ().
<e.g.>CN-15-MHVP(5), CN-60-MHVR(1)

DIMENSIONS (mm)

e, g, i, k

CN-□-MHVR

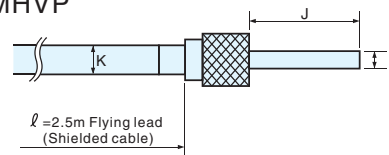


*G part may be cracked with an organic solvent when wiping up a stain.
Use water or weakened neutral cleaner instead.

*This product has some room against the rated voltage, but it is recommended that G part keeps distance from the surroundings and being isolated for safety.

e, g, i, k, m

CN-□-MHVP



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