

**Warning**

Incorrect handling may cause death or injury.

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**Attention**

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The mark on the label indicates the measuring range in the specification of item 2.

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Do not disassemble or touch the interior while the power is ON. This may cause an electric shock.

**Caution**

- (1) The application of voltage or current exceeding its maximum allowable value to the input terminals may result in instrument damage.
- (2) The supply of power out of its allowable range may cause fire, electric shock or instrument failure.
- (3) The content of this manual may subject to change without prior notice for product improvement.
- (4) This manual is carefully prepared. However, if any question arises, or any mistake, omission or suggestion is found in the content of this manual, contact your nearest our sales agent.

**1. Introduction**

This AP-560 Series digital panel meter is a thin AC voltage meter which satisfies the DIN size. As it employs the 2-wire system, no power supply is required.

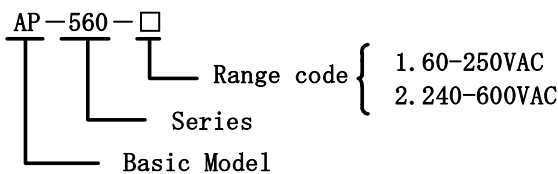
**2. Specifications**

● AC Voltage

Model No.	Measuring range	Maximum resolution	Frequency range	Maximum allowable input voltage
AP-560-1	60 to 250V	1V	50Hz, 60Hz	300V
AP-560-2	240 to 600V	1V	50Hz, 60Hz	700V

Accuracy: ±3digit (at 23°C±5°C, 35 to 85% RH) Indication

**3. Model Configuration**



**4. Common Specifications**

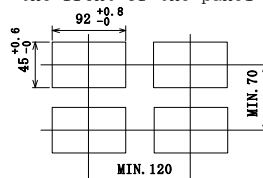
- Measuring function : AC voltage measurement
- Operating principle : Double integral method
- Sampling rate : Approx. 2.5 times/sec
- Over range warning : There is no Over range warning
- Display : 3 digit  
LED(light emitting diode numeric element)with a height of 14.2mm
- Power consumption : 35mA (MAX)
- Ambient temperature : 0 to 50°C, 35 to 85%RH (No-condensing)
- Storage temperature : -10 to 70°C, 60%RH max.
- External dimensions : 96mm (W) × 48mm (H) × 22mm (D)
- Weight : Approx. 55g
- Withstand voltage : Between input terminal and case; For 1 min. at 1500VAC
- Insulation resistance : Between input terminal and case; More than 100MΩ at 500VDC

**5. Installation**

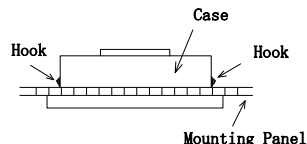
5-1 Installation

1) Panel mounting

Make a cutout on a panel as shown in Figure 1 (Panel thickness is 0.8mm to 3.5mm), and insert the meter into the cutout from the front of the panel as shown in Figure 2.



[ Fig. 1 ]

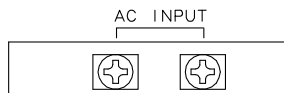


[ Fig. 2 ] Upper view

5-2 Connector mounting

1) Input connection

Connect the input to the screw terminals. Never apply input voltage exceeding the maximum allowable input. If so, meter damage, fire or electric shock may result.



**6. Maintenance**

6-1 Notes on maintenance

When the meter is not used, store it in a location with an ambient temperature of -10°C to +70°C and a humidity of less than 60%. The meter case and front panel materials are plastic molding, thus do not apply thinner or other volatile liquids in cleaning them.

**7. Warranty**

This meter is warranted for a period of one year from date of delivery. Any defect which occurs in this period and is undoubtedly caused by Asahi's faults will be remedied free of charge. This warranty does not apply to the meter showing abuse or damage which has been altered or repaired by others except as authorized by Asahi Keiki Co., Ltd.

**8. After-Sale Service**

This meter is delivered after being manufactured, tested and inspected under strict quality control. However, if any problem does occur, contact your nearest Asahi sales agent giving as much information on problem as possible.

**watanabe**

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