

\*With Excitation Power Supply



### DC Voltage Measurement

Model	Range	Display Adjustable	Input Impedance	Input Protection
AS-144-1V	1-5V	Offset ±10000	1MΩ	±250V
AS-144-0V	0-1V		100MΩ	
AS-144-2V	0-5V	Fullscale 100-19999	1MΩ	
AS-144-3V	0-10V		1MΩ	
AS-144-5V	0-100mV		100MΩ	

Accuracy : ±0.05% rdg. ±5 digit (23°C±5°C)

### DC Current Measurement

Model	Range	Display Adjustable	Internal Resistance	Input Protection
AS-144-2A	4-20mA	Offset ±10000	125Ω	±50mA
AS-144-0A	0-1mA		100Ω	
AS-144-1A	0-10mA	Fullscale 100-19999	100Ω	
AS-144-3A	0-20mA		50Ω	

Accuracy : ±0.05% rdg. ±5 digit (23°C±5°C)

### Output Specifications

Model	Output	Load Resistance
AS-144-□□-1V	1~5V	Min. 1kΩ
AS-144-□□-2A	4~20mA	0~600Ω
AS-144-□□-0V	0~1V	Min. 500Ω
AS-144-□□-2V	0~5V	Min. 1kΩ
AS-144-□□-3V	0~10V	Min. 1kΩ
AS-144-□□-4V	0~10mV	Min. 10kΩ
AS-144-□□-5V	0~100mV	100kΩ
AS-144-□□-0A	0~1mA	0~12kΩ
AS-144-□□-1A	0~10mA	0~600Ω
AS-144-□□-3A	0~20mA	0~600Ω

### Specifications

**Input Configuration:** Single Ended  
**Input Bias Current:** 2nA(TYP.)  
**Conversion Rate:** 2.5/sec(Can adjust 0.3/sec to 2/sec)  
**Normal Mode Rejection:** More than 50dB(60/50Hz)  
**Temperature Characteristic:** Less than 100PPM/Deg. C  
**Display:** LED, 14.2mm(Red)  
**Polarity:** A "-" is displayed automatically  
**Decimal Point:** Settable to any digit position  
**Overrange Indication:** When input exceeds the maximum display, 0000 flashes  
**Fullscale Adjustment:** 100~19999  
**Offset Adjustment:** ±10000  
**Span Range:** 20000 counts  
**Zero Display:** Leading zero suppression(Select by front switch)  
**Fixed Zero Display:** Can fix 10<sup>0</sup> digit to "0"(Select by internal jumper wire)  
**Hold:** Negative signal 0V or short  
**Excitation Supply:** DC24V±10% 30mA  
**Operating Temperature:** 0~50°C, 35 to 85%RH  
**Power Consumption:** 5VA  
**Power Supply:** AC90~132V, AC180~264V  
**Dimensions:** 48(H)×96(W)×144(D)mm Din Size  
**Weight:** Approx. 450g  
**Dielectric Strength:** Between power supply and input, output, earth, EX(-), AC1500V/min.  
 Between input and output, AC1500V/1min.  
 DC±500V, 100MΩ at above terminals  
**Insulation Resistance:**

### Features

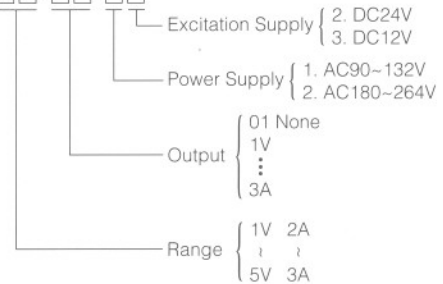
- Offset Adjustable±10000
- Fullscale Adjustable 100~19999
- Span Range 20000 counts
- Leading Zero Suppression
- Last Digit Suppression
- Analog Output(Isolated)(option)
- Excitation Power Supply DC24V, DC12V Transducer
- Power Supply AC90~132V, AC180~264V
- Dimensions 48(H)X96(W)X144(D)mm
- Bright LED, 14.2mm(Red)

### Analog Output

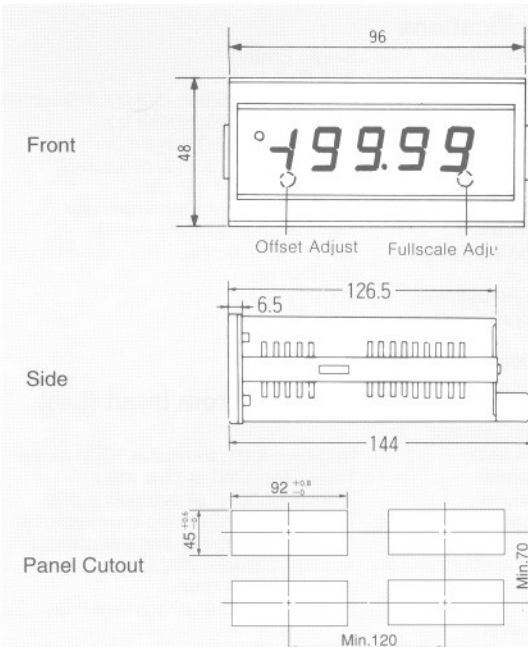
**Allowable:** 0.15% F.S.(23°C±5°C)  
**Linearity:** 0.1% F.S.  
**Response Time:** Less than 0.5 sec(0~90%)  
**Temperature Coefficient:** Less than 200PPM/°C  
**Output Adjustable Range:** Zero:More than±3% of Span  
 Span:More than±3% of Span

### Ordering Code

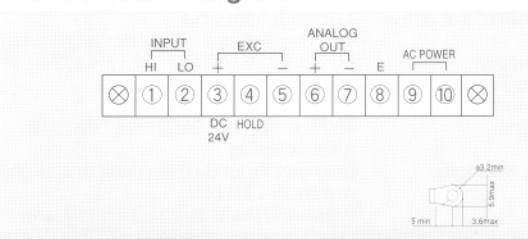
AS-144-□□-□□-□□



### Dimensions



### Connection Diagram



Process Monitor