

*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 10⁰ 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

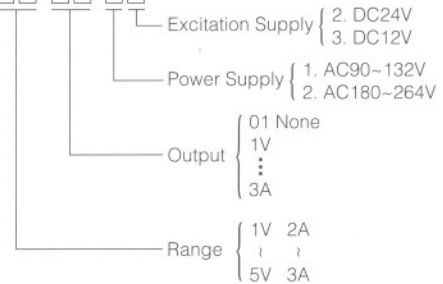
- Offset Adjustable±10000
- Fullscale Adjustable 100~19999
- Span Range 20000 counts
- Leading Zero Suppression
- Last Digit Suppression
- Analog Output(Isolated)(option)
- Excitation Power Supply DC24V, DC12V Transducer
- Power Supply AC90~132V, AC180~264V
- Dimensions 48(H)X96(W)X144(D)mm
- Bright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

Analog Output

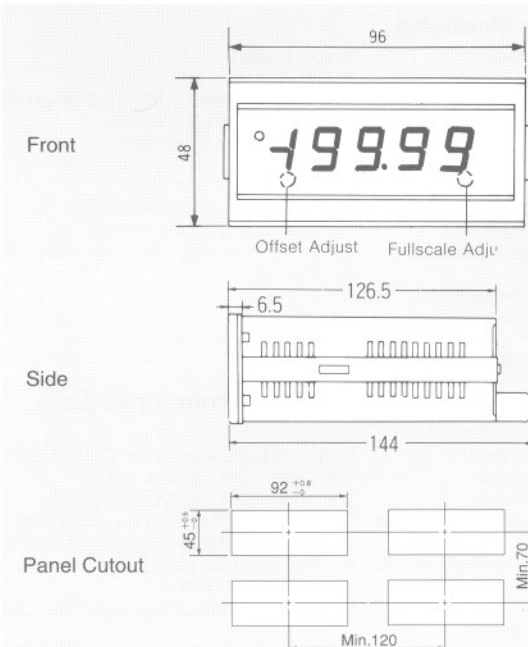
Allowable: 0.15% F.S.(23°C±5°C)
Linearity: 0.1% F.S.
Response Time: Less than 0.5 sec(0~90%)
Temperature Coefficient: Less than 200PPM/°C
Output Adjustable Range: Zero:More than±3% of Span
 Span:More than±3% of Span

Ordering Code

AS-144-□□-□□-□□



Dimensions



Panel thickness 0.8 to 5.0mm

Connection Diagram

