

DC AVERAGE CONVERTER

AT-740- ^{AV}
AVZ

Model : AT-740 - □ □ □ - □ □ - □

AV	Non-isolated
AVZ	Isolated

	DC Input	I/P Impedance
1	DC 1 - 5 V	1 MΩ
2	DC 0 - 10 V	
3	DC 0 - 5 V	
4	DC 0 - 1 V	
5	DC 0 - 100 mV	
6	DC 0 - 10 mV	
7	DC ± 1 V	
A	DC 4 - 20 mA	50 Ω
B	DC 0 - 20 mA	
C	DC 0 - 16 mA	
D	DC 0 - 10 mA	
E	DC 2 - 10 mA	
F	DC 0 - 1 mA	100 Ω
S	Specified	

	DC Output	Load Impedance
1	DC 1 - 5 V	> 2.5 KΩ
2	DC 0 - 10 V	> 5 KΩ
3	DC 0 - 5 V	> 2.5 KΩ
4	DC 0 - 1 V	> 500 Ω
5	DC 0 - 100 mV	> 100 KΩ
6	DC 0 - 10 mV	> 10 KΩ
7	DC ± 10 V	> 5 KΩ
A	DC 4 - 20 mA	0 - 500 Ω
B	DC 0 - 20 mA	0 - 500 Ω
C	DC 0 - 16 mA	0 - 625 Ω
D	DC 0 - 10 mA	0 - 1KΩ
E	DC 2 - 10 mA	0 - 1KΩ
F	DC 0 - 1 mA	0 - 10KΩ
W	2-Wire DC 4-20 mA	
S	Specified	

Power Supply

1	AC 110V ± 10% 50 / 60 Hz
2	AC 220V ± 10% 50 / 60 Hz
3	DC 24V ± 10%
4	AC 24V ± 10% 50 / 60 Hz
S	Specified

Calculation Formula :

$$X_o = \frac{(A+B)}{2}$$

X_o : Output A : Input A B : Input B



W 50 × H 84 × D 120 mm

Features :

- ◆ Versatility of Input and Output Ranges
- ◆ Plug-in Socket Structure and DIN Rail Mounting
- ◆ High Reliability, Lasting Durability , Low Cost and Small Sized

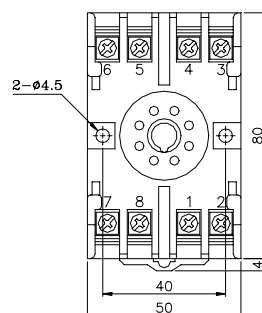
Applications :

- ◆ Average of Flow or Temp.
- ◆ Fully Isolated between Input and Output

Specifications :

- ◆ Accuracy : ±0.1% FS. (at 23°C)
- ◆ Linearity : ±0.1% FS.
- ◆ Response Time : 0.2 sec (0 - 90%)
- ◆ Temp. Coefficient : ±0.015% FS / °C
- ◆ Operating Temp. : -5 ~ +55 °C
- ◆ Operating Humidity : 0 - 90% RH
- ◆ Insulation Resistance :
 - ≥ 100 MΩ with 500 VDC
 - Non-iso. Type (Input , Output / Power)
 - Iso. Type (Input / Output / Power)
- ◆ Dielectric Strength : AC 1500 V , 1 min.
 - Non-iso. Type (Input , Output / Power)
 - Iso. Type (Input / Output / Power)
- ◆ Case Material : Case is ABS , Base is Bakelite
- ◆ Zero and Span Adjustments : ±20 % FS.
- ◆ Power Consumption : 4 VA

Socket and Terminal :



1	+	OUT	DC Output
2	-		
3	+	IN # 1	DC Input A
4	-		
5	+	IN # 2	DC Input B
6	-		
7	U(+)	PWR	Power
8	V(-)		