

交流 電壓 / 電流 轉換器

DA/DV

特點：●精量單相二線,三相三線交流電壓/電流

- 扭曲的波形亦可準確的測量
- 低輸出紋波
- 低溫飄特性,低衝擊電壓及隔離特性
- 高穩定性 & 可靠度佳
- 藉由類比輸出執行監控與控制
- DIN-Rail軌道式安裝



■選用型號規格: D 輸入規格 - 接線方式 - 輸入範圍 - 輸入頻率 - 輸出範圍 - 工作電源

CODE	輸入規格
A	電流(平均值)
AT	電流(真實值)
V	電壓(平均值)
VT	電壓(真實值)

CODE	連接方式
12	單相二線
33	三相三線

CODE	輸入規格
A1	0~1A
A5	0~5A
V1	0~150V
V3	0~300V
V5	0~500V
AO	特殊規格
VO	特殊規格

CODE	輸入規格
5	50Hz $\pm$ 3Hz
6	60Hz $\pm$ 3Hz
O	特殊規格

CODE	輸出範圍	CODE	輸出範圍
A1	0~1mA	V1	0~1V
A2	0~5mA	V2	0~5V
A3	0~10mA	V3	0~10V
A4	0~20mA	V4	1~5V
A5	4~20mA	VO	特殊規格
AO	特殊規格		

· 無源是不可選用4~20mA, 1~5V和2~10V輸出方式

CODE	工作電源
A	AC 110/220 V
C	DC 24V
D	DC 48V
E	DC 110V
O	特殊規格

■SPECIFICATION:

- ◆Accuracy: $\pm 0.2\%RO$.
- ◆Aux.power supply: AC 110V/220V $\pm 15\%$, 50/60Hz
DC24V, 48V, 110V $\pm 15\%$, 50/60Hz
- ◆Power consumption: $\leq 2.5VA$, $\leq DC 3W$
- ◆Power effect: $\leq 0.1\% RO$.
- ◆Waveform effect: $\leq 0.2\%RO$, at distortion factor 30%
- ◆Output load effect: $\leq 0.05\%RO$.
- ◆Magnetic field strength: $\leq 0.2\%RO$, 400A/M
- ◆Span adjustment range: $\geq 5\%RO$.
- ◆Zero adjustment range: $\geq 1\%RO$.
- ◆Operating temperature range: 0~60°C
- ◆Storage temperature range: -10~70°C
- ◆Temperature coefficient: $\leq 100PPM$ from 0 to 60°C
 $\leq 60PPM$, 25°C $\pm 10^\circ C$
- ◆Max.relative humidity: 95%
- ◆Isolation: Input/output/power/case
- ◆Insulation resistance: $\geq 100M\Omega$, DC500V
- ◆Dielectric withstand voltage: Between Input/output/power/case
AC 2.6KV, 60HZ, 1min.
- ◆Impulse withstand test: 5KV, 1.2 $\times$ 50 μ sec
(IEC 255-4, ANSI C37 90a) Common mode&differential mode
- ◆Performance: Designed to comply with IEC688
- ◆Safety requirements: IEC414, BS5458

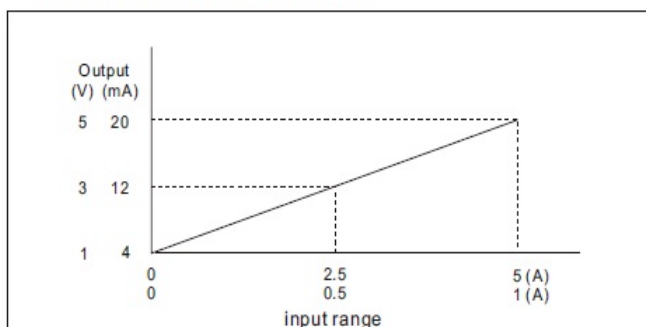
• INPUT

Input Range	Input Burden	Input Frequency	Max. Input Over capability
0 ~ 1A	$\leq 0.1VA$	50Hz $\pm$ 3Hz	3 X rated continuous 10 X rated 10 sec. 50 X rated 1 sec.
0 ~ 5A		or 60Hz $\pm$ 3Hz	

• OUTPUT

DC Output Range	Load Resistance	Output Resistance	Output Ripple	Response Time
0 ~ 1V	≥ 1KΩ	≤0.05Ω	≤0.5% RO. (Peak)	≤400mS. 0 ~ 99%
0 ~ 5V				
1 ~ 5V				
0 ~ 10V				
0 ~ 1mA	0 ~ 10KΩ	≥20MΩ		
0 ~ 10mA	0 ~ 1KΩ	≥5MΩ		
0 ~ 20mA	0 ~ 500Ω			
4 ~ 20mA				

■INPUT-OUTPUT CURVE :

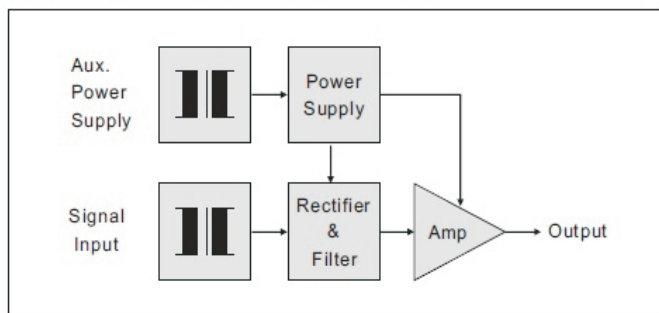


DESCRIPTION:

Model: DA/DV-1 1 Φ input(AVG)
DA/DV-3 3 Φ input(AVG)

Sinusoidal Waveforms-AVG.

DA/DV Series Transducer converting a sinusoidal alternating current into a dc output, proportional to the RMS value of input. These units are average sensing, but RMS calibrated for a sine wave with less than 1% distortion. The input signal is converted to a dc voltage which then feeds to a single stage amplifier and a dc output produced.

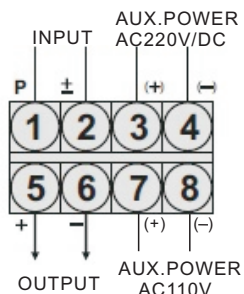
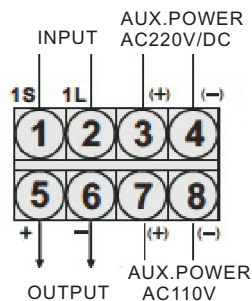


CONNECTION DIAGRAM:

• 單相二線(電源式)

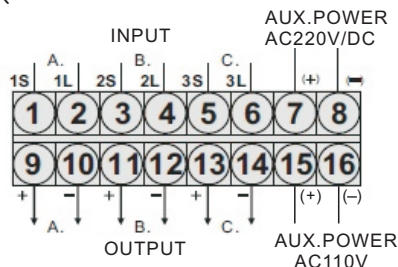
電流輸入

電壓輸入

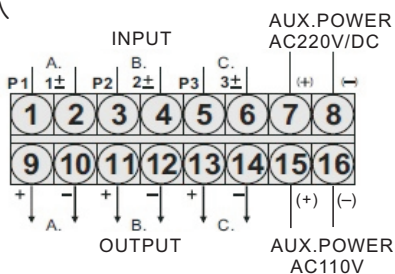


• 三相三線(電源式)

電流輸入

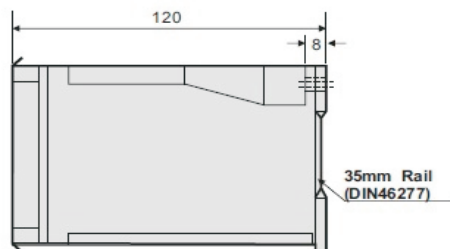
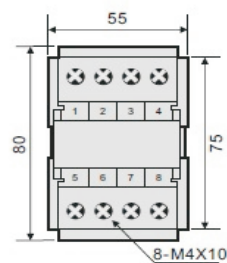


電壓輸入

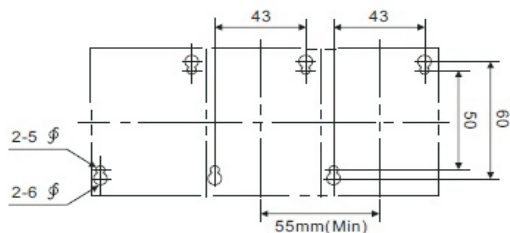


THE OUTSIDE DIMENSION (UNIT :mm)

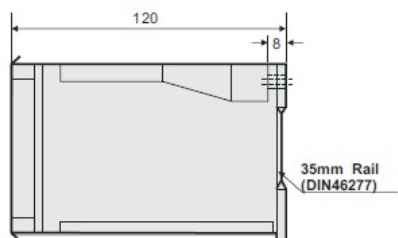
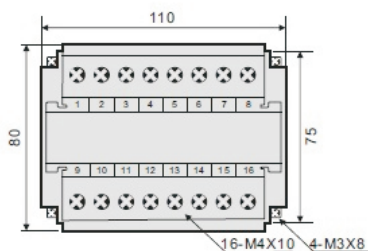
• 單相



PANEL MOUNTING HOLE



• 三相



PANEL MOUNTING HOLE

