

# General Specifications

## ANALOG TO PULSE CONVERTER



This instrument converts to pulse by input of DC voltage and current signal occurred from electromagnetic flow meter and area type flow meter, etc. Input, output, power have built in separated isolation circuit.

### SPECIFICATIONS

| ITEMS                 | DESCRIPTIONS                                                                               |                   |
|-----------------------|--------------------------------------------------------------------------------------------|-------------------|
| INPUT                 | DC signal (Current input to be combined through the application of precise resistor shunt) |                   |
| OUTPUT                | Open Collector                                                                             | AC/DC switch      |
| OUTPUT RATING         | DC24V 50mA                                                                                 | AC100V 200mA Max. |
|                       | Max.                                                                                       | DC150V 200mA Max. |
| OUTPUT FREQUENCY      | Less than 1KHz                                                                             |                   |
| ACCURACY              | ± 0.3% Max.                                                                                |                   |
| TEMP. COEFFICIENT     | ± 0.02% / °C                                                                               |                   |
| LINEARITY             | ± 0.1% F.S                                                                                 |                   |
| REPEATABILITY         | ± 0.05% F.S                                                                                |                   |
| INSULATION RESISTANCE | Greater than 100MΩ at DC 500V                                                              |                   |
| DIELECTRIC-STRENGTH   | Input-Power                                                                                | AC1,500V          |
|                       | Input-Output                                                                               | AC1,500V          |
|                       | Input-Ground                                                                               | AC1,500V          |
|                       | 1 minute                                                                                   |                   |
| POWER SUPPLY          | AC110V AC220V ± 10% 50-60Hz 3.5VA                                                          |                   |
| AMBIENT-TEMP          | -5 ~ +55°C (20 ~ 130°F)                                                                    |                   |
| HUMIDITY              | Less than 90% RH (no condensation)                                                         |                   |
| LINEARIZER            | Standard function                                                                          |                   |
| CASE MATERIAL         | AL                                                                                         |                   |
| COLOR                 | BLACK                                                                                      |                   |
| WEIGHT                | About 500g                                                                                 |                   |
| DIMENSION             | W42 x H90 x D120mm                                                                         |                   |
| MOUNTING              | WALL                                                                                       |                   |
| OUTPUT                |                                                                                            |                   |
| LOAD RESISTANCE       | Refer to Attached Technical Sheet.                                                         |                   |

### ORDERING CODE

MODEL : D S A P -    -

#### INPUT SIGNAL

|              |             |             |
|--------------|-------------|-------------|
| 1 DC 0~10mV  | A DC 0~1mA  | G DC 4~20mA |
| 2 DC 0~100mV | B DC 0~10mA | H Others    |
| 3 DC 0~1V    | C DC 0~16mA |             |
| 4 DC 0~10V   | D DC 0~20mA |             |
| 5 DC 0~5V    | E DC 1~5mA  |             |
| 6 DC 1~5V    | F DC 2~10mA |             |

#### OUTPUT SIGNAL

- 1 Open Collector
- 2 AC/DC Switch

#### POWER SUPPLY

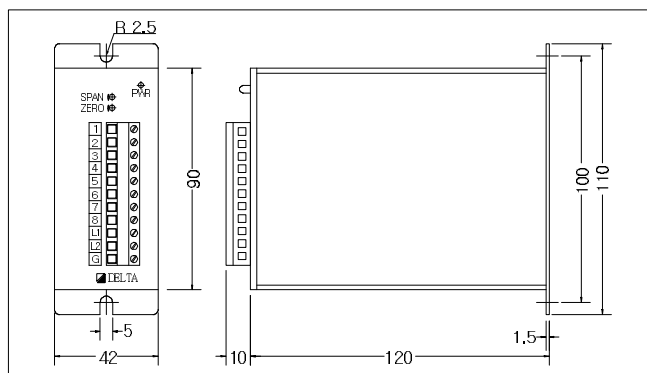
- 1 AC 110V
- 2 AC 220V

#### I/O ISOLATION

G : General Y : Isolation

\* Please Specify the input range When you Order.

### DIMENSION



### WIRING DIAGRAM

| INPUT |    |        | OUTPUT |    |     | POWER |      |
|-------|----|--------|--------|----|-----|-------|------|
| 1     | +  | SIGNAL | 5      | +  | OUT | L1    | U(+) |
| 2     | -  |        | 6      | -  |     | L2    | V(-) |
| 3     | NC |        | 7      | NC |     | G     | GND  |
| 4     |    |        | 8      |    |     |       |      |