

## MICROPROCESSOR RPM, SPEED, PULSE, LENGTH, FLUID & SETTING DIGITAL METER

### Model - DMU

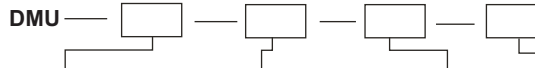


#### FEATURES :

Output / Display / Setting Range User Selectable  
High Accuracy Pulse Input 0.01 % FS + 1 Count

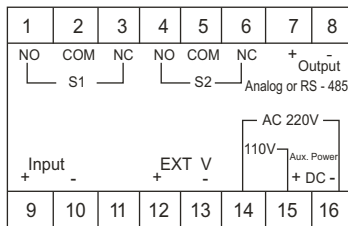
Dual Aux. Power 110 / 220 V AC  
Analog or Digital RS - 485 Output

#### ORDERING :



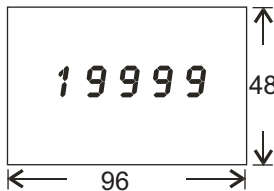
| Input Signal |                    | Setting Function |                 | Output Signal |              | Aux. Power |                    |
|--------------|--------------------|------------------|-----------------|---------------|--------------|------------|--------------------|
| A            | Open Collect Type  | A                | Hi-Lo Setting   | A             | 0 ~ 10 mA DC | A          | AC 110 / 220V      |
| B            | Voltage Pulse Type | B                | Hi-Hi Setting   | B             | 0 ~ 20 mA DC | B          | (Dual Power)       |
| C            | Relay Contact Type | C                | Lo - Lo Setting | C             | 4 ~ 20 mA DC | C          | DC 24 V            |
|              |                    |                  |                 | D             | 0 ~ 5V DC    | D          | DC 110 V           |
|              |                    |                  |                 | E             | 1 ~ 5V DC    | E          | DC 125 V           |
| Y            | Other              | N                | None            | F             | RS - 485     | F          | AC / DC 85 ~ 265 V |
|              |                    |                  |                 | N             | None         |            |                    |
| Y            | Other              | Y                | Other           | Y             | Other        |            |                    |

#### TERMINAL CONNECTION

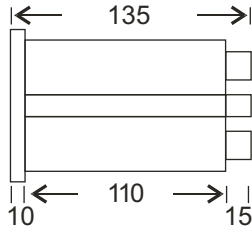


#### Dimension

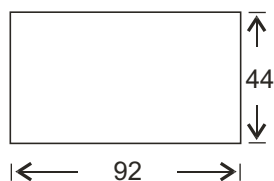
##### FRONT VIEW (mm)



##### SIDE VIEW



##### CUT OUT



When ordering Specify Model code number and variable.

Code number : model - input - Setting function - output - power (e.g. DMU - C - A - B - A)

#### SPECIFICATIONS :

##### INPUT :

Input Type : Open Collect Type : 5 ~ 30 V DC, 3 mA.  
Voltage Pulse Type : 2 V DC P-P ~ 200 V DC P-P.  
Relay Contact Type : 5 ~ 30 V DC, 3 mA.

##### OUTPUT & DISPLAY :

|   |  |
|---|--|
| <b>DC Current :</b> 0 - 20 mA DC                            | <b>DC Voltage :</b> 0 - 10 V DC                          |
| <b>Load Resistance Drive :</b> Output drive 10 V DC maximum | <b>Load Resistance Drive :</b> Output drive 5 mA maximum |
| <b>Output Load Resistance</b>                               | <b>Output Load Resistance</b>                            |
| 0 - 10 mA : 1000  | 0 - 5 V : 1 K  |
| 0 - 20 mA : 500   | 1 - 5 V : 1 K  |
| 4 - 20 mA : 500   | 0 - 10 V : 2 K   |

Output Response Time : 1 Sec.  
Digital Output Load : RS - 485 Output, 1200, 2400, 4800, 9600, 19200 Baud Rate, User Selectable.  
Display Range : 0.56" Super RED LED 4½, 5 Digits, ± 19999 Counts, User Selectable.

#### INSTALLATION & PERFORMANCE :

|                                |   |
|--------------------------------|---|
| <b>Accuracy</b>                | : Analog Input 0.15 % FS + 1 Count at 23°C ± 3°C.<br>Pulse Input 0.01 % FS + 1 Count at 23°C ± 3°C. |
| <b>Exciting Voltage</b>        | : 12 V / 25 mA DC maximum.  |
| <b>Sensing Range</b>           | : 50 ~ 20 K Hz Selectable.  |
| <b>Setting Function</b>        | : Dual Setting & Contact Points, Setting Function User Selectable.                                  |
| <b>Setting Range</b>           | : ± 19999 Counts User Selectable.   |
| <b>Dead Band</b>               | : 0 ~ 9999 Counts User Selectable.  |
| <b>Time Delay</b>              | : 0 ~ 99 Sec. User Selectable.  |
| <b>SPDT Capacity</b>           | : AC 120 V 5A, 250 V 3 A, DC 24 V 3 A.  |
| <b>Stability</b>               | : 0.2 % / Year.   |
| <b>Temperature Coefficient</b> | : 100 ppm / °C From 0 ~ 60 °C.  |
| <b>Operating Condition</b>     | : - 10°C ~ + 55°C ; 20 ~ 95 % RH Non - Condensed.   |
| <b>Storage Condition:</b>      | : - 40°C ~ + 75°C ; 20 ~ 95 % RH Non - Condensed.   |
| <b>Power Supply</b>            | : AC or DC ± 20%, 50 / 60 Hz.   |
| <b>Outline Dimension</b>       | : 1/8 DIN 96 ( W ) x 48 ( H ) x 135 ( D ) mm.   |
| <b>Mounting</b>                | : Panel Flush Mounting.   |

Note: All Specification are Subject to change without prior notice.