

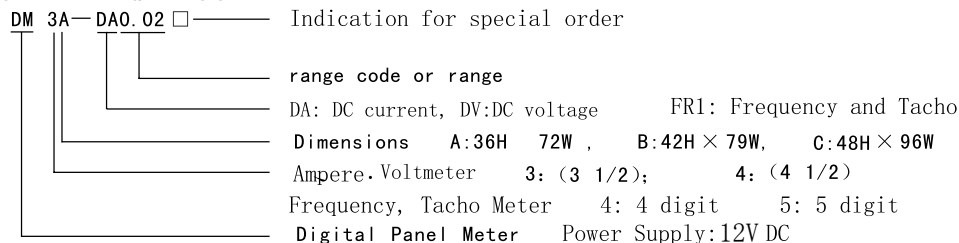
DM SERIES DIGITAL PANEL METERS



FEATURES

- ⊙ Current watchcase,delication
- ⊙ Precise measuring ,reliable performance
- ⊙ With decimal point setting function

一、ORDERING CODE



二、MODEL AND SPECIFICATION

1、DC DIGITAL VOLTMETER, AMMETER

[1] DC DIGITAL METER

Model	Range	Resolution	Input Impedance	Measuring accuracy	Input protecting
DM3 □ -DV0.2	199.9mV	100uV	10M Ω	± 0.3%F.S ± 2Digit	10V
DM3 □ -DV2	1.999V	1mV	10M Ω	± 0.3%F.S ± 2Digit	100V
DM3 □ -DV20	19.99V	10mV	10M Ω	± 0.3%F.S ± 2Digit	250V
DM3 □ -DV200	199.9V	100mV	10M Ω	± 0.3%F.S ± 2Digit	500V
DM3 □ DV600	600V	1V	5M Ω	± 1%F.S ± 2Digit	1000V
DM4C-DV2	1.9999V	100uV	10M Ω	± 0.1%F.S ± 2Digit	100V
DM4C-DV20	19.999V	1mV	10M Ω	± 0.1%F.S ± 2Digit	250V
DM4C-DV200	199.99V	10mV	5M Ω	± 0.1%F.S ± 2Digit	500V

Notes:1、“□” of dimension is selectable: A:36H×72W、 B:42H×79W、 C:48H×96W. 2、F.S means Full Span

[2] DC DIGITAL AMMETER

Model	Range	Resolution	Input impedance	Measuring accuracy	Input protecting
DM3 □ -DA0.0002	199.9uA	100nA	1K Ω	± 0.3%F.S ± 2Digit	10mA
DM3 □ -DA0.002	1.999mA	1uA	100 Ω	± 0.3%F.S ± 2Digit	50mA
DM3 □ -DA0.02	19.99mA	10uA	10 Ω	± 0.3%F.S ± 2Digit	150mA
DM3 □ -DA0.2	199.9mA	100uA	1 Ω	± 0.3%F.S ± 2Digit	500mA
DM3 □ -DA2	1.999A	1mA	0.1 Ω	± 0.5%F.S ± 2Digit	3A
DM3 □ -DA20	20A	10mA	5M Ω	± 0.5%F.S ± 2Digit	24A
DM3 □ -DA200	200A	100mA	5M Ω	± 0.5%F.S ± 2Digit	240A

[3] DC DIGITAL AMMETER, VOLTMETER SPECIFICATION

Max. display	1999 (3 1/2); 19999 (4 1/2)
Input mode	Single ended input
Measuring mode	Dual slope A/D conversion
Sampling rate	Abt. 2.5/sec
Overflow indication	“-1” or “1”(3 1/2); “0000” or “-0000”(4 1/2) LED flash
Polarity display	Only “-” display
Display	Red LED
power supply	DC 12V +/- 10% ; ± 0.2V (4 1/2)
Operating temperature and humidity	0~50℃ <85%RH

2、FREQUENCY, TACHOMETER , COUNTER DIGITAL PANEL METER

[1] MODEL

Model	Frequency range	Rotary speed range	Counter range	Range conversion
DM4A-FR1	1-9999Hz	60-9999RPM	0-9999	Auto
DM4B-FR1	1-9999Hz	60-9999RPM	0-9999	Auto
DM5C-FR1	1-10000Hz	60-99999RPM	0-99999	Auto

[2] FUNCTION SELECT

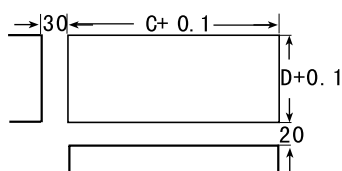
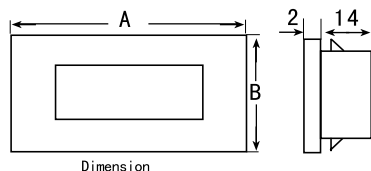


Notes:Once changing the function, please reset or switch the power again.

[3] SPECIFICATION

Item	Parameter
Display	Red Led
Input impedance	>10K
Input Level	5~25V
Input Waves	Square Wave
Input Protection	25V
Frequent accuracy	0.05%±1Digit(DM4A-FR1;DM4B-FR1);0.05%±10Digit (DM5C-FR1) (23±2℃ 45~75%R.H)
Max.Input Frequency	0.1--10KHz
Counting speed	<1000CPS
Sampling rate	Auto
Decimal point	Auto change with the setting of range
Overflow indication	“UUUU” or “UUUUU”
Power supply	DC 12V ±10%
Operating temperature	0~50℃ <85% RH

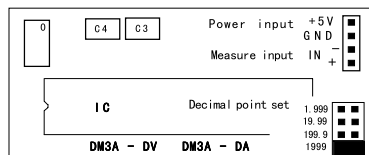
三、FIGURE AND DIMENSIONS



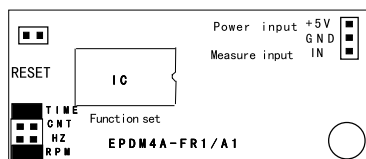
Panel dimension

(model)	A	B	C	D
DM-A	72	36	69	33.5
DM-B	79	42	76	39.5
DM-C	96	48	93	45.5

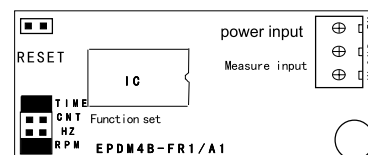
四、TERMINAL CONNECTION



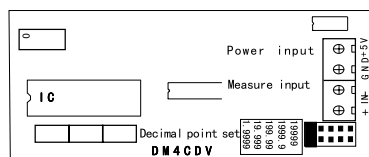
DM3A Voltmeter, Ammeter



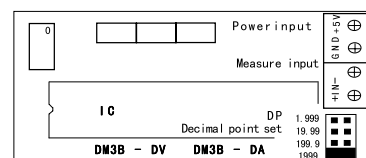
DM4A Frequency, Tachometer, counter



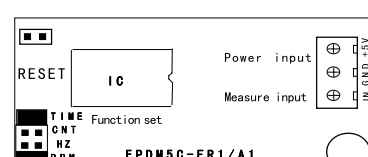
DM4B Frequency, Tachometer, counter



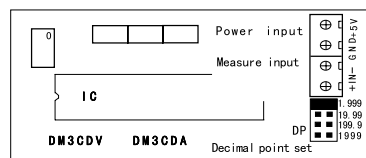
DM4C Voltmeter.



DM3B Voltmeter, Ammeter



DM5C Frequency, Tachometer, counter



DM3C Voltmeter, Ammeter

五、CAUTIONS

- (1) If the input signal is supwrimpsed with high-frequency noise,use a low-passed filter isdate the supply.
- (2) When Voltmeter and Ammeter share power ground, it is easy to result meter damaged,.Every meter should isolate the supply power.
- (3) Storage temperature:-10℃ ~+70℃, long time for storage in the shade.Please connect power supply every three months,Power when use not less than 4 hours each time.
- (4) The alignment interval time is one year.



Toky Electrical Co.,Ltd.

Add.: Civil Science & Technology Park, No.8 Minke West Road,
Shiqi North District, Zhongshan, Guangdong, China.

Tel.: 86-760-3371807 Fax: 86-760- 23371891/2

Attn.: Mick Li E-mail: mickliqiang@hotmail.com