

# PM43 series Digital panel meter <sup>M015</sup>

## Operator's Manual

### 一、GENERAL SPECIFICATION

PM43 Series Panel Meter is a kind of mini-meter. It is supplied with DC power. Equipped with LCD, such meters have backlight indication function, and consume little power. The readings can be shown clearly even under dark light. Its basic full scale is 200mV. The measure precision and readings stableness are enhanced by Large-scale integration. Such meters also have following functions: automatic polarity indication; decimal point selectable; guaranteed zero reading for 0 volts input.

PM43 Series can be used as voltage meter, current meter, temperature meter, capacitance meter, PH meter, pressure meter, sound level counter, inductance meter, power meter, Watt meter or other industrial application.

### 一、MODELS AND FUNCTIONS

	PM434	PM435	PM436	PM437	PM438
Display	LCD	LCD	LED	LCD	LCD
Max Counts	1999	1999	1999	19999	1999
BackLight	Optional	Optional	-	Optional	-
Size	78*42*18mm	78*42*18mm	78*42*27mm	78*42*27mm	68*44*18mm
Install Size	76.5*39.2mm	76.5*39.2mm	76.5*39.2mm	76.5*39.2mm	54.5*38mm
Power supply	DC2.4~3.6V	DC8~12V	DC4.5~5.5V	DC8~12V	DC8~12V
Inner divider	√	√	√	√	√
DC Voltage	PM434	PM435	PM436	PM437	PM438
AC Voltage	PM434A	PM435A	PM436A	PM437A	PM438A
DC Current	PM434B	PM435B	PM436B	PM437B	PM438B
AC Current	PM434D	PM435D	PM436D	PM437D	PM438D
Frequency	PM434F	PM435F	PM436F	PM437F	PM438F

### 三、 I/O port, divider and connector description

PIN	DESCRIPTION	I/O	ID	DESCRIPTION	Note
A0	Positive DC3V power(2.4~3.6V)	I	P0	Point driver port	Short-circuit to it
A1	Positive DC5V power(4.5~5.5V)	I	P1	Point of "2"	Short-circuit to p0
A2	Positive DC9V power(8~12V)	I	P2	Point of "20"	Short-circuit to p0
A3	Negative of power supply	I	P3	Point of "200"	Short-circuit to p0
A4	Positive signal input	I	P4	Point of "2000"	Short-circuit to p0
A5	Negative signal input	I	P5	Backlight	Outside control
A6	Divided DCV output	O	RA	divider A	See table below
A7	Divided ACV output	O	RB	divider B	See table below
A8	IC signal input	I	RC	Current load resistor	See table below
A9	AC/DC converter output	O			

### 三、 Divider and function setting

Reference resistor	Function and Range									
	200mV	2V	20V	200V	500V	2mA	20mA	200mA	2A	5A
RA	0Ω	10MΩ	10MΩ	10MΩ	10MΩ	*SC	*SC	*SC	*SC	*SC
RB	10MΩ	1MΩ	100KΩ	10KΩ	1KΩ	NC	NC	NC	NC	NC
RC	NC	NC	NC	NC	NC	100Ω	10Ω	1Ω	0.1Ω	0.01Ω

\*SC: Short Circuit

Note: When the resistance rate is set, please select relevant decimal point and disconnect unnecessary decimal point.