

4 1/2 DIGITAL METER OF PROGRAMMABLE



FEATURES

- Measuring DCA, DCV, ACA, ACV, Potentiometer, Pt-100, Thermocouple, Load Cell etc...
- Wide switchable readout range
- Accuracy 0.1% F.S. ± 1 digit (DC, AC (TRMS), Potentiometer, Load Cell, Transmitter, Pt-100)
- High stability and Dimension small

1. MODEL: PFP - 2 - [] - [] - [] - [] → NON-PROGRAMMABLE

NO	Input Type	NO	DCV (ACV)	NO	DCA (ACA)	NO	Potentiometer	NO	Pt-100	NO	Transmitter	NO	Aux. Power
A	DC	11	0-50.00 mV	21	0-19.999 μ A	31	0-10%	41	-50.0~50.0°C	51	DC 4-20mA	1	AC 110/220V
B	AC (RMS)	12	0-199.99 mV	22	0-199.99 μ A	32	0-50%	42	-100.0~100.0°C	52	DC 1-5V	2	DC 24V
C	* AC (TRMS)	13	0-1999.9 mV	23	0-1.9999 mA	33	0-100%	43	-200.0~200.0°C	53	DC 4-20mA	3	DC 48V
D	Potentiometer	14	0-5 V	24	0-20.00 mA	34	5-95%	44	0~850°C	54	DC 1-5V	4	DC 110V
E	Transmitter	15	0-10 V	25	0-199.99 mA	35	10-90%	45	-200~850°C	59	SPECIFIED	5	DC 220V
F	* Pt-100 (RTD)	16	0-35 V	26	0-2.000 A	39	SPECIFIED	49	SPECIFIED			6	AC 90~260V
G	Load Cell	17	0-600.0 V	27	0-5.000 A		• Three wire connection • Exciting voltage DC 5V (≤ 5 mA)		• Three wire connection		• 51-52 non-exciting DC 20V • 53-54 exciting DC 20V (≤ 25 mA)	9	SPECIFIED
O	SPECIFIED	18	0-1000.0 V	28	0-10.000 A								
	• Non-programmable	19	SPECIFIED	29	SPECIFIED								

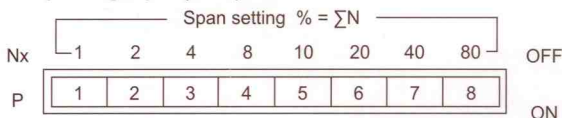
2. Specification

- Aux. power supply : AC110 & 220V $\pm 20\%$ (50 or 60Hz)
(Optional DC 24V or 48V or 110V or 220V, switching AC100~240V $\pm 10\%$)
- Measuring accuracy : 0.1% F.S. ± 1 digit (DC, AC(TRMS), Potentiometer, Pt-100, Transmitter)
0.15% F.S. ± 1 digit (AC(RMS))
- Sampling time : 3 cycles/sec. or more
- Input impedance : 1M Ω or more
- Over input indication : "0000" flash
- Display : Red high efficiency LEDs high 14.22mm (.56")
- Polarity display : When input is negative, "-" displayed
- Temp. coefficient : 100ppm/ $^{\circ}$ C (0-50 $^{\circ}$ C)
- Dielectric strength : 1.5KVac / 1min. (input/power)
- Operating condition : 0~50 $^{\circ}$ C (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^{\circ}$ C (20 to 90% RH non-condensed)
- Weight (about) : 320g

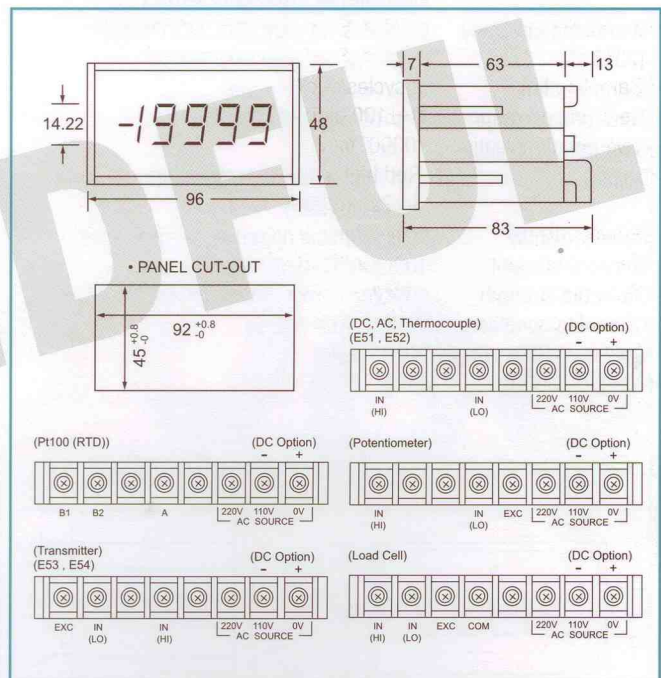
4. Program of span (GAIN) and decimal point set



• Input range span (GAIN) selection



3. Outside dimension and connection diagram



5. Programming formula

DH/DL: display high range/display low range

$$\Delta \text{SPAN } (\Sigma N) = [(DH - DL) / 200] \%$$

▲ Example: Input AC 0-5A, display 0-1000.0A

$$(1) \Sigma N = [(10000 - 0) / 200] \% = 50\%$$

(2) Setting span(ΣN) \rightarrow P5-P7=off & the rest on

(3) Adjusting

3-1 input=0A adjust "ZERO" to "0000" readout

3-2 input=5A adjust "SPAN" to "10000" readout

(4) setting decimal point "4" on

(5) END