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 - ■ ■■ - ■-[N] → NON-PROGRAMMABLE

NO	Input Type
A	DC
B	AC (RMS)
C	* AC (TRMS)
D	Potentiometer
E	Transmitter
F	* Pt-100 (RTD)
G	Load Cell
O	SPECIFIED
• Non-programmable	

NO	DCV (ACV)
11	0-50.00 mV
12	0-199.99 mV
13	0-1999.9 mV
14	0-5 V
15	0-10 V
16	0-35 V
17	0-600.0 V
18	0-1000.0 V
19	SPECIFIED

NO	DCA (ACA)
21	0-19.999 μA
22	0-199.99 μA
23	0-1.9999 mA
24	0-20.00 mA
25	0-199.99 mA
26	0-2.000 A
27	0-5.000 A
28	0-10.000 A
29	SPECIFIED

NO	Potentiometer
31	0-10%
32	0-50%
33	0-100%
34	5-95%
35	10-90%
39	SPECIFIED

• Three wire connection
• Exciting voltage DC 5V (≤5mA)

NO	Pt-100
41	-50.0~50.0°C
42	-100.0~100.0°C
43	-200.0~200.0°C
44	0~850°C
45	-200~850°C
49	SPECIFIED

• Three wire connection

NO	Transmitter
51	DC 4-20mA
52	DC 1-5V
53	DC 4-20mA
54	DC 1-5V
59	SPECIFIED

• 51-52 non-exciting DC 20V
• 53-54 exciting DC20V (≤25mA)

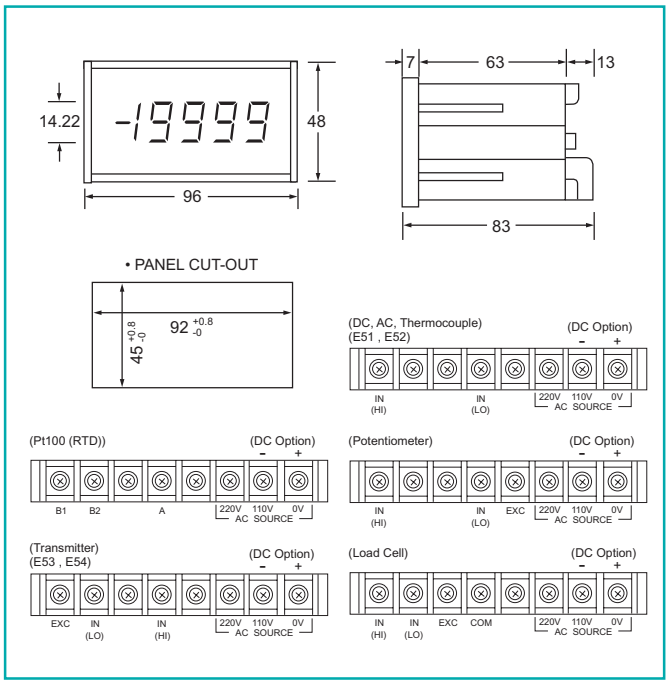
NO	Aux. Power
1	AC 110/220V
2	DC 24V
3	DC 48V
4	DC 110V
5	DC 220V
6	AC 90~260V
9	SPECIFIED

• ±20% of rate, less 3.5VA for AC input
• ±20% of rate, less 3WATT for DC input

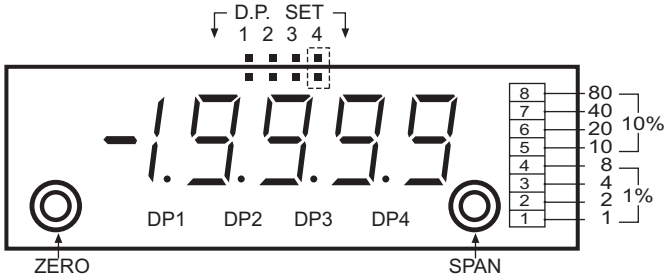
2. Specification

- Aux. power supply : AC110 & 220V ±20% (50 or 60Hz) (Optional DC 24V or 48V or 110V or 220V, switching AC90~260V ±10%)
- Measuring accuracy (23±5°C) : 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 : 1MΩ 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/°C (0-50°C)
- Dielectric strength : 1.5KVac / 1min. (input/power)
- Operating condition : 0~50°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)
- Weight (about) : 320g

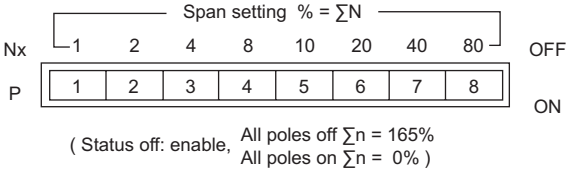
3. Outside dimension and connection diagram



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



• Input range span (GAIN) selection



(Status off: enable, All poles off ∑n = 165%
All poles on ∑n = 0%)

5. Programming formula

DH/DL: display high range/display low range

▲ SPAN (∑N)=[(DH-DL)/200]%

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

(1) ∑N=[(10000-0)/200] %=50%

(2) Setting span(∑N)→ 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