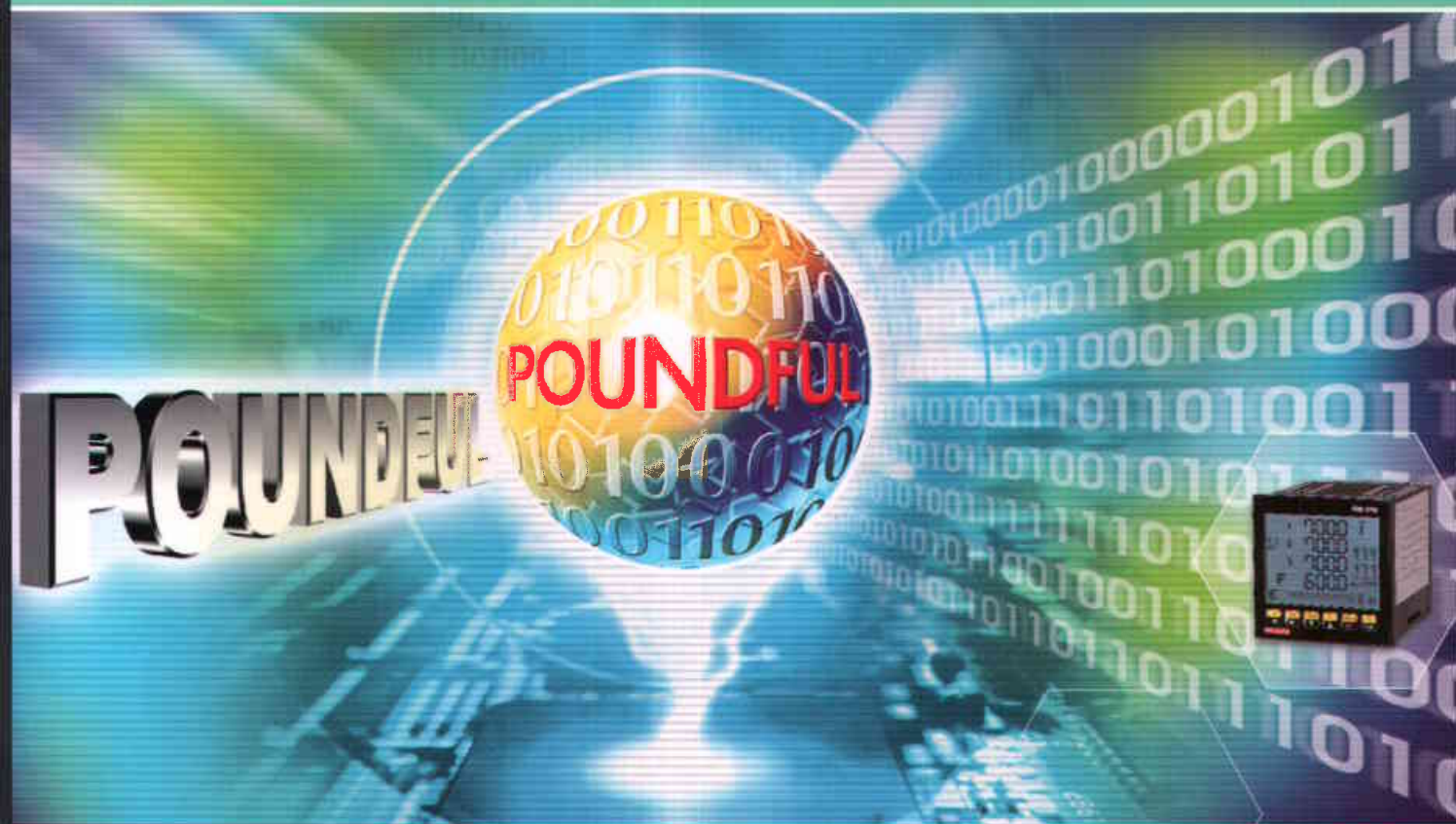


POUNDFUL

INDUSTRIAL / FACTORY / BUILDING AUTOMATION



DIGITAL/ANALOG INSTRUMENTATION & SENSOR

- ▶ SENSING
- ▶ ACQUIRING
- ▶ MEASURING
- ▶ CONDITIONING
- ▶ COMMUNICATING
- ▶ CONTROLLING
- ▶ MONITORING
- ▶ AUTOMATING
- ▶ SYSTEMATIZING



POUNDFUL ELECTRONICS CO., LTD.

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PROCESS TRANSMITTER/DISTRIBUTOR

- PF-DDI Dual-output isolator transmitter
PF-TDI Three-output isolator transmitter

COMPACT PROGRAMMABLE PROCESS TRANSMITTER

- PF-DCBP DC//DC isolator transmitter
PF-TCBP Thermocouple & RTD temperature transmitter
PF-LCBP Load-cell transmitter
PF-KCBP Potentiometer transmitter

POWER METER (RMS)

- PF-MWW Digital power meter of programmable
PF-MWWH Microprocess WATT & WATTHOUR (VAR & VARHOUR) meter
PF-MWWHA Microprocess WATT & WATTHOUR (VAR & VARHOUR) meter with communication

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- PFM-DPM 96X96 multi-function power meter

AC POWER TRANSDUCER

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PF-PF Frequency transducer
PF-PW WATT & VAR transducer
FP-PWH WATTHOUR & VARHOUR transducer
PF-PWWH WATT WATTHOUR & VAR VARHOUR transducer
PF-PPF Power factor (cos θ) transducer

COMMUNICATION METER CONVERTER

- PF-D485 Communication meter
PF-RS RS232 to RS485/422 isolator converter

DATA ACQUISITION MODULES

- PF-DAM PROCESS SIGNAL ACQUISITION

DIGITAL PID TEMPERATURE CONTROLLER

- PFT Digital PID auto-tuning temperature controller

PRECISION DC CURRENT SIMULATOR /CALIBRATOR

- PF-MDCG Precision current simulator/calibrator

SENSOR

- PFS-PX Proximity sensor
PFS-T Temperature sensor (T/C, RTD)
PFS-RE Encoder
PFS-W Wheel sensor
PFS-CT Current transformer
PFS-SHT Shunt sensor
PFS-LC Load-cell sensor
PFS-P Pressure sensor
PFS-TRH Temperature & Humidity sensor with built-in transmitter
PFS-F-U Paddle Wheel Flow sensor (union type)
PFS-F-I Paddle Wheel Flow sensor (insertion type)
PFS-LVDT LVDT sensor

DC POWER SUPPLY

- PF-DPS DC Power supply for sensor excitation

LARGE SIZE LED DISPLAY

- PF-LL Large size LED display

110X110 DECORATION BOARD

- PF-FPW110 110 X 110 Decoration board



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3 1/2 DIGITAL METER OF PROGRAMMABLE



FEATURES

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

1. MODEL: PFP - 1 - [] - [] - [] - [] \rightarrow NON-PROGRAMMABLE

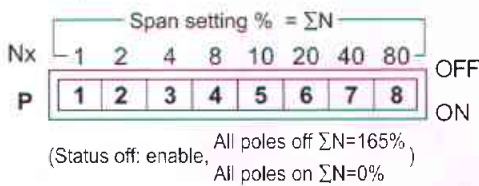
NO	Input Type	NO	DCV (ACV)	NO	DCA (ACA)	NO	Potentiometer	NO	Pt-100	NO	Thermocouple	NO	Load Cell	NO	Transmitter	NO	Aux. Power
A	DC	11	0-50.0 mV	21	0-19.99 μ A	31	0-10%	41	-50~50°C	51	0~600°C(J)	61	2.0mV/V	71	DC 4-20mA	1	AC 110/220V
B	AC(RMS)	12	0-199.9 mV	22	0-199.9 μ A	32	0-50%	42	-100~100°C	52	0~1200°C(K)	62	3.0mV/V	72	DC 1-5V	2	DC 24V
C	* AC(TRMS)	13	0-1999 mV	23	0-1.999 mA	33	0-100%	43	-199.9~199.9°C	53	0~1600°C(R)	63	* 2.0mV/V	73	DC 4-20mA	3	DC 48V
D	Potentiometer	14	0-5 V	24	0-19.99 mA	34	5-95%	44	0~850°C	54	SPECIFIED	64	* 3.0mV/V	74	DC 1-5V	4	DC 110V
E	Transmitter	15	0-10 V	25	0-199.9 mA	35	10-90%	45	-200~850°C	55	* Accuracy 0.2% $\pm 1^\circ$ C	65	SPECIFIED	75	SPECIFIED	5	DC 220V
F	* Pt-100(RTD)	16	0-35 V	26	0-1.999 A	36	SPECIFIED	46	SPECIFIED	56	* Internal CJC trace ability $\leq \pm 0.5^\circ$ C ≤ 10 min. warm up	66	* Exciting voltage DC 12V (≤ 50 mA)	76	* 71-72 non-exciting DC 20V	6	AC 90~280V
G	* Thermocouple	17	0-600 V	27	0-5.00 A	37	* Three wire connection	47	* Three wire connection	57		67		77	* 73-74 exciting DC 20V (≤ 25 mA)	7	* $\pm 20\%$ of rate, less 3.5VA for AC input
H	Load Cell	18	0-1000 V	28	0-10.00 A	38	* Exciting voltage DC 5V (≤ 5 mA)	48		58		68		78		8	* $\pm 20\%$ of rate, less 3WATT for DC input
O	SPECIFIED	19	SPECIFIED	29	SPECIFIED	39		49		59		69		79		9	

note: * non-programmable

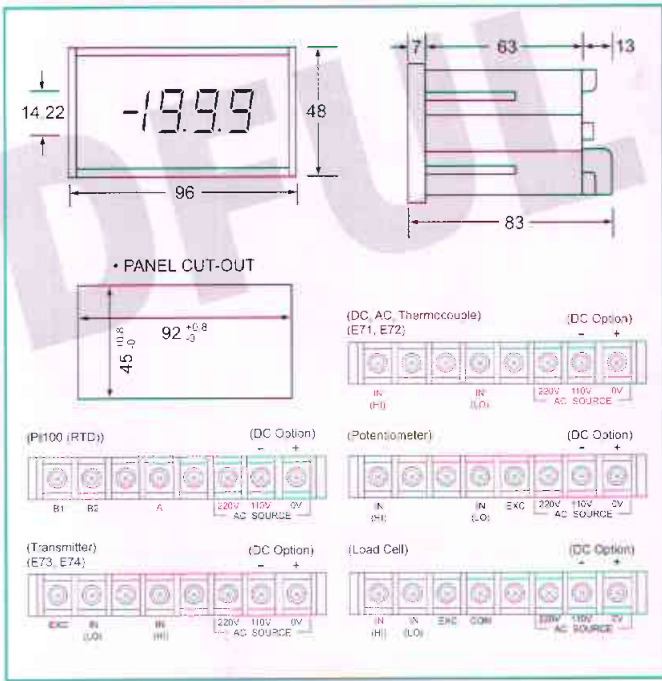
2. Specification

- 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, Load Cell, Pt-100, Transmitter) 0.15% F.S. ± 1 digit (AC(RMS))
- Sampling time : 3 cycles/sec. or more
- Input impedance : 1M Ω or more (DC, AC)
- Over input indication : "1" or "-1"
- Display : Red high efficiency LEDs high 14.22mm (.56"), .8" OPTIONAL
- 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



3. Outside dimension and connection diagram



5. Programming formula

- DH/DL: display high range/display low range
- ▲ SPAN (ΣN) = $[(DH-DL)/20]\%$
 - ▲ Example: Input AC 0-5A, display 0-100.0A
 - (1) $\Sigma N = [(1000-0)/20] \% = 50\%$
 - (2) Setting span(ΣN) \rightarrow P5-P7=off & the rest on
 - (3) Adjusting
 - 3-1 input=0A adjust "ZERO" to "000" readout
 - 3-2 input=5A adjust "SPAN" to "1000" readout
 - (4) setting decimal point "3" on
 - (5) END

3 1/2 DIGITAL METER OF PROGRAMMABLE



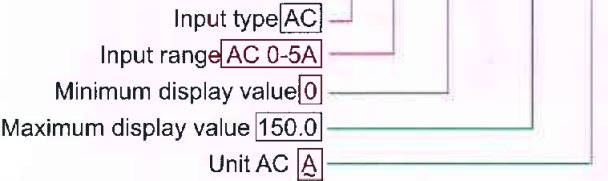
FEATURES

- Accuracy 0.1% F.S.
- Programmable rate 0 to 1999 digit
- Decimal point can be modified
- High noise immunity
- High stability and Dimension small

1. MODEL: PFP-1-AX- [] - [] - [] - [] - [] - []

NO	Input Type	NO	Input Range	NO	Input Range	NO	Aux. Power
A	DC	11	DC 0-50mV	16	DC 0-1mA	1	AC 110/220V
B	AC (RMS)	12	DC 0-5V	17	AC 0-36V (ACTG)	2	DC 24V
		13	DC 0-10V (Inverter)	18	AC 0-110V	3	DC 48V
		14	DC 0-10V	19	AC 0-600V	4	DC 110V
		15	DC 0-54V (DCTG)	20	AC 0-5A	5	DC 220V
				29	SPECIFIED	6	AC 90~260V
						9	SPECIFIED

• Example: PFP-1-AX-B 20 - 0 - 150.0 A



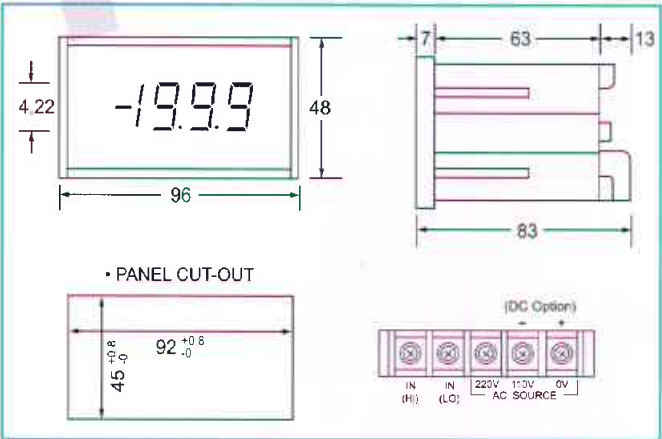
2. Specification

- 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)),
(23 $\pm 5^\circ\text{C}$) 0.2% F.S. ± 1 digit (AC(RMS))
- Sampling time : 2 cycles/sec. or more
- Zero (offset) range : 0 $\sim \pm 100$ digit adjustable
- Over input indication : "1" or "-1"
- Display : Red high efficiency LEDs high
14.22mm (.56")
- Polarity display : When input is negative, "-" displayed
- Temp. coefficient : 100ppm/ $^\circ\text{C}$ (0~50 $^\circ\text{C}$)
- Dielectric strength : 1.5KVac / 1min. (input/power)
- Operating condition : 0~50 $^\circ\text{C}$ (32~122 $^\circ\text{F}$)
- Operating hum. range : 20~90% RH.
- Weight (about) : 320g

4. Program of span and zero and decimal point set



3. Outside dimension and connection diagram



5. Application

Example: PFP-1-AX-A13-0-100.0M/min

- Input range : DC0~10V(Input from inverter)
- Readout range : 0~100.0M/min
- Adjusting process :
 - (1) Set DP3 on
 - (2) Set up input=10V, adjust "SPAN2" nearly to "100.0" readout
 - (3) Set up input=0V, adjust "ZERO" to "00.0" readout
 - (4) Set up input=10V, adjust "SPAN1" to "100.0" readout
 - (5) END

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 μA	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 μA	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 (≤5mA)	• Three wire connection	• 51-52 non-exciting DC 20V • 53-54 exciting DC20V (≤25mA)	9	SPECIFIED		• ±20% of rate, less 3.5VA for AC input • ±20% of rate, less 3WATT for DC input	
O	SPECIFIED	18	0-1000.0 V	28	0-10.000 A								
• Non-programmable		19	SPECIFIED	29	SPECIFIED								

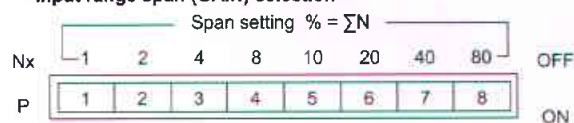
2. Specification

- Aux. power supply : AC110V & 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) ,
(23 $\pm 5^\circ\text{C}$) 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/ $^\circ\text{C}$ (0-50 $^\circ\text{C}$)
- Dielectric strength : 1.5KVac / 1min. (input/power)
- Operating condition : 0~50 $^\circ\text{C}$ (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^\circ\text{C}$ (20 to 90% RH non-condensed)
- Weight (about) : 320g

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

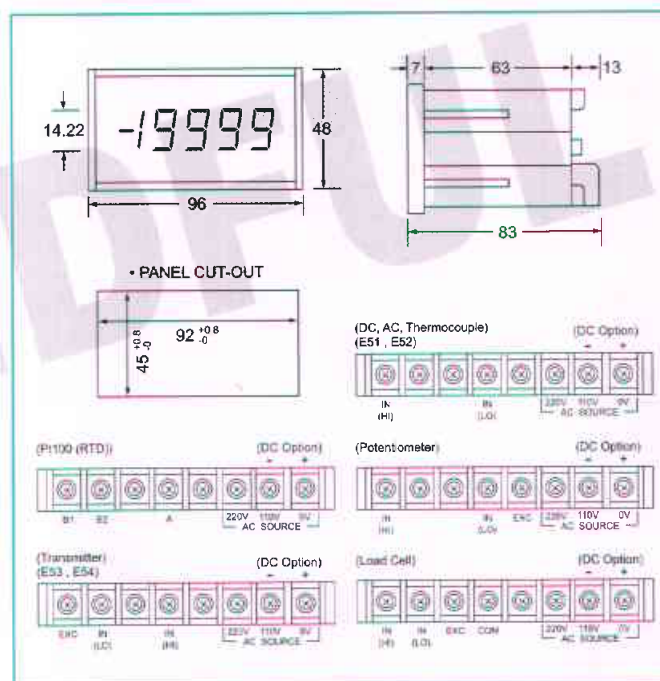


- Input range span (GAIN) selection



(Status off: enable, All poles off $\Sigma n = 165\%$
All poles on $\Sigma n = 0\%$)

3. Outside dimension and connection diagram



5. Programming formula

DH/DL: display high range/display low range

▲ SPAN (ΣN) = $[(DH - DL) / 200] \%$

▲ 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

4 1/2 DIGITAL METER OF PROGRAMMABLE



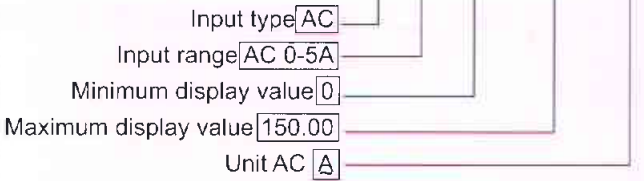
FEATURES

- Accuracy 0.1% F.S.
- Programmable rate 0 to 19999 digit
- Decimal point can be modified
- High noise immunity
- High stability and Dimension small

1. MODEL: PFP-2-AX- [] - [] - [] - [] - [] - [] - []

NO	Input Type	NO	Input Range	NO	Input Range	NO	Aux. Power
A	DC	11	DC 0-50mV	16	DC 0-1mA	1	AC 110/220V
B	AC (RMS)	12	DC 0-5V	17	AC 0-36V (ACTG)	2	DC 24V
C	AC (TRMS)	13	DC 0-10V (Inverter)	18	AC 0-110V	3	DC 48V
		14	DC 0-10V	19	AC 0-600V	4	DC 110V
		15	DC 0-54V (DCTG)	20	AC 0-5A	5	DC 220V
				29	SPECIFIED	6	AC 90-260V
						9	SPECIFIED

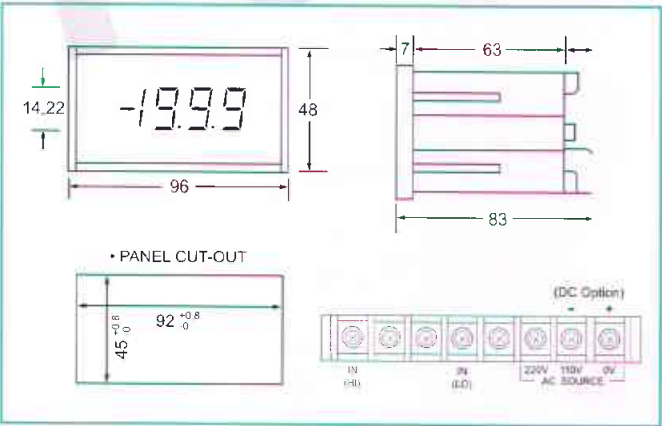
•Example: PFP - 2- AX - B 20 - 0 - 150.00 A



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)),
(23 $\pm 5^\circ\text{C}$)
0.2% F.S. ± 1 digit (AC(RMS))
- Sampling time : 2 cycles/sec.
- Zero (offset) range : 0 $\sim \pm 100$ digit adjustable
- Over input indication : "0000" flash
- Display : Red high efficiency LEDs high
14.22mm (.56")
- Polarity display : When input is negative, "-" displayed
- Temp. coefficient : 100ppm/ $^\circ\text{C}$ (0 $\sim 50^\circ\text{C}$)
- Dielectric strength : 1.5KVac / 1min. (input/power)
- Operating condition : 0 $\sim 50^\circ\text{C}$ (32 $\sim 122^\circ\text{F}$)
- Operating hum. range : 20 $\sim 90\%$ RH.
- Weight (about) : 320g

3. Outside dimension and connection diagram



4. Program of span and zero and decimal point set



5. Application

Example: PFP-2-AX-A13-0-100.00M/min

- Input range : DC0 $\sim 10\text{V}$ (Input from inverter)
- Readout range : 0 $\sim 100.00\text{M/min}$
- Adjusting process :
 - (1) Set DP3 on
 - (2) Set up input=10V, adjust "SPAN2" nearly to "100.00" readout
 - (3) Set up input=0V, adjust "ZERO" to "00.00" readout
 - (4) Set up input=10V, adjust "SPAN1" to "100.00" readout
 - (5) END

3 1/2 DIGITAL METER WITH BUILT-IN TRANSMITTER



FEATURES

- Measuring DC, AC, Potentiometer, Thermocouple, Pt-100, Load Cell, etc...
- Accuracy 0.1% F.S. ± 1 digit (DC, AC (TRMS), Potentiometer, Pt-100, Load Cell)
- Input/output isolation 1.6KVdc
- Surge withstand 4KV (1.2 X 50 μ s)
- High stability

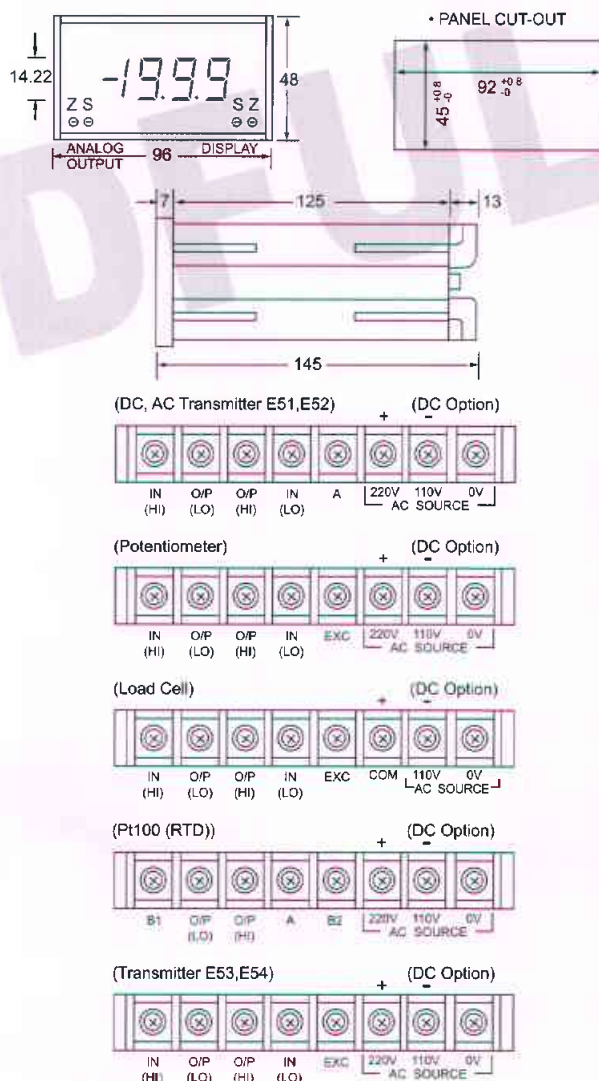
1. MODEL: PF - 3 - ■ ■ ■ - X X = 1 (non-isolating), X = 2 (isolating)

NO	Input Type	NO	DCV (ACV)	NO	DCA (ACA)	NO	Potentiometer	NO	Pt-100	NO	Transmitter	NO	Output Range	NO	Aux. Power	
A	DC	11	0-50.0mV	21	0-19.99μA	31	0-10%	41	-50.0~50.0°C	51	DC 4-20mA	E	DC 0-5V	1	AC 110/220V	
B	AC (RMS)	12	0-199.9mV	22	0-199.9μA	32	0-50%	42	-100.0~100.0°C	52	DC 1-5V	F	DC 1-5V	2	DC 24V	
C	AC (TRMS)	13	0-1999mV	23	0-1.999mA	33	0-100%	43	-199.9~199.9°C	53	DC 4-20mA	H	DC 0-10V	3	DC 48V	
D	Potentiometer	14	0-5V	24	0-19.99mA	34	5-95%	44	0-850°C	54	DC 1-5V	I	DC 2-10V	4	DC 110V	
E	Transmitter	15	0-10V	25	0-199.9mA	35	10-90%	45	-200~850°C	• 51-52 non-exciting DC 24V • 53-54 exciting DC 24V (≤25mA)			J	DC 0-1mA	5	DC 220V
F	Pt-100 (RTD)	16	0-35V	26	0-1.999A	39	SPECIFIED	49	SPECIFIED				N	DC 0-10mA	6	AC 90~260V
G	Load Cell	17	0-600V	27	0-5.00A	• Three wire connection • Exciting voltage DC 5V (≤5mA)		• Three wire connection					P	DC 0-20mA	9	SPECIFIED
O	SPECIFIED	18	0-1000V	28	0-10.00A								Q	DC 4-20mA	• ±20% of rate, less 3.5VA for AC input • ±20% of rate, less 3WATT for DC input	
		19	SPECIFIED	29	SPECIFIED								R	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, Load Cell, Transmitter)
0.15% F.S. ± 1 digit (AC(RMS))
- Sampling time : 3 cycles/sec. or more
- Input impedance : 1M Ω or more for DC, AC
- Temp. coefficient : 100ppm/°C (0~50°C)
- Output ripple (p-p) : $< 0.1\%$ F.S.
- Response time : ≤ 300 ms (0~90%)
- Output drive capability : ≤ 10 mA for voltage mode
 ≤ 10 V for current mode
- Display : Red high efficiency LEDs high 14.22mm (.56")
- Polarity display : When input is negative, "-" displayed
- Dielectric strength : 2KVac / 1min. (power/input & output)
1600Vdc (input/output)
- Surge withstand : ANSI C37.90a/1974, DIN-IEC255-4
impulse voltage 4KV (1.2 x 50 μ s)
- Over input indication : "1" or "-1"
- Operating condition : 0~50°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)

3. Outside dimension and connection diagram



DIGITAL FREQUENCY METER



PF-FA

FEATURES

- Accuracy 0.05% F.S.
- Dimension small and High stability



PF-FB

FEATURES

- Accuracy 0.01% F.S.
- Accepts input rates up to 50KHz
- Decimal point can be modified
- Input pulse cut off sampling time can be modified (0.1 to 99.9 second)
- Display value depend on the mean input pulse several times can be modified (1 to 99 times)

1. MODEL: PF-FA - ■ ■ - ■ PF-FB - ■ ■ - ■

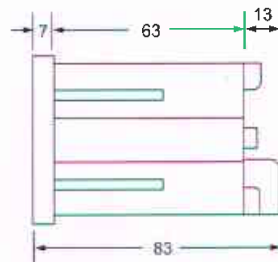
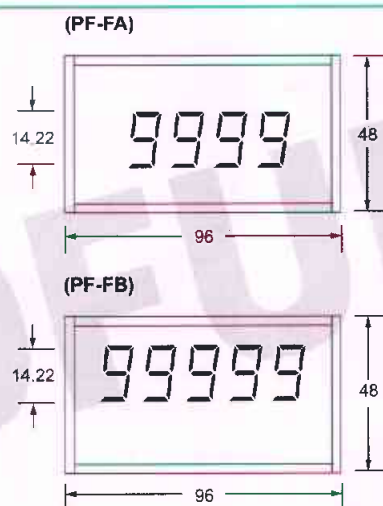
NO	Input Frequency	NO	Input Level	NO	Aux. Power
1	0-999.9 Hz (FA)	A	Pulse (TTL)	1	AC 110/220V
2	0-99.999 Hz (FB)	B	Pulse (NPN)	2	DC 24V
3	0-999.99 Hz (FB)	C	Pulse (PNP)	3	DC 48V
4	0-9999.9 Hz (FB)	D	AC 1-60V	4	DC 110V
5	0-49999 Hz (FB)	E	AC 10-600V	5	DC 220V
9	SPECIFIED	0	SPECIFIED	6	AC 90-260V
				9	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 AC100-240V ±10%)
- Measuring accuracy : 0.05% F.S. (PF-FA)
0.01% F.S. (PF-FB)
- Readout range : "0" to "9999" (PF-FA)
"0" to "99999" (PF-FB)
- Sampling time : 2 cycles/sec. (PF-FA)
10 cycle/sec. (≥10Hz)
f cycle/sec. (<10Hz)
- Input impedance : 1MΩ or more
- Over input indication : "0vEr"
- Display : Red high efficiency LEDs high 14.22mm (0.56")
- Dielectric strength : 2KVac/1min. (input/power)
- Surge test : ANSI C37.90a/1974, DIN-IEC255-4
impulse voltage 4KV (1.2 x 50μs) (PF-FA)
- 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

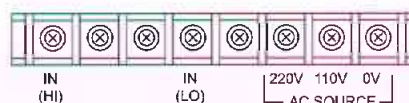
3. Outside dimension and connection diagram



• PANEL CUT-OUT



(DC optional)



MICROPROCESS DIGITAL METER RELAY (one-alarm)



FEATURES

- Measuring DCA, DCV, ACA, ACV, Potentiometer, Transmitter, Pt-100, Load Cell, etc...
- Accuracy 0.1% F.S. ± 1 digit (DC, AC (TRMS), Potentiometer, Transmitter, Load Cell, Pt-100)
- Programmable rate -9999 to 9999 digit
- Decimal point can be modified
- One alarm, compare hysteresis, alarm delay, start delay function
- Auto zero function

1. MODEL: PF-M-0 - [] - [] - [] \rightarrow X = 0 (non-A and B and C), X = 1 (only A) Note: A: deadband and deadband delay
X = 2 (only A + B), X = 3 (A + B + C) B: alarm delay
C: compare hysteresis

NO	Input Type	NO	DCV (ACV)	NO	DCA (ACA)	NO	Potentiometer	NO	Pt-100	NO	Transmitter	NO	Load Cell	NO	Aux. Power
A	DC	11	0-50.00 mV	21	0-9.999 μ A	31	0-10%	41	-50.0~50.0°C	51	DC 4-20mA	61	DC 2.0mV/V	1	AC 110/220V
B	AC (RMS)	12	0-99.99 mV	22	0-99.99 μ A	32	0-50%	42	-100.0~100.0°C	52	DC 1-5V	62	DC 3.0mV/V	2	DC 24V
C	AC (TRMS)	13	0-999.9 mV	23	0-2.000 mA	33	0-100%	43	-200.0~200.0°C	53	DC 4-20mA	63	SPECIFIED	3	DC 48V
D	Potentiometer	14	0-5 V	24	0-20.00 mA	34	5-95%	44	-200.0~400°C	54	DC 1-5V	* non-exciting Voltage	4	DC 110V	
E	Transmitter	15	0-10 V	25	0-200.0 mA	35	10-90%	45	-200~850°C	55	SPECIFIED		5	DC 220V	
F	Pt-100 (RTD)	16	0-35 V	26	0-2.000 A	36	SPECIFIED	46	SPECIFIED	56	* 51-52 non-exciting DC 15V		6	AC 90~260V	
G	Load Cell	17	0-600 V	27	0-5.000 A	• Three wire connection • Exciting voltage DC 5V (≤ 5 mA)	• Three wire connection	• 53-54 exciting DC 15V (≤ 25 mA)	• 55-56 exciting DC 15V (≤ 25 mA)	• 57-58 exciting DC 15V (≤ 25 mA)	• 59-60 exciting DC 15V (≤ 25 mA)		9	SPECIFIED	
O	SPECIFIED	18	0-1000 V	28	0-9.999 A								• $\pm 20\%$ of rate, less 3.5VA for AC input • $\pm 20\%$ of rate, less 3WATT for DC input		
		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 (23 $\pm 5^\circ$ C) : 0.1% F.S. ± 1 digit (DC, AC (TRMS)),
Pt-100, Transmitter,
0.15% F.S. ± 1 digit (AC (RMS))
- Sampling time : 0.1~9.9 second adjustable
- Readout range : -9999~9999 (adjustable)
(compare range)
(auto-zero range)
- Parameter setting : Touch switches
- Compare setting methods : Digital rotary switches
- Compare hysteresis : 0~999 digit adjustable
(deadband)
- Alarm delay time : 0~99.9 second adjustable
(deadband delay time)
- Alarm action : "Hi" or Lo" adjustable
- Display : Red high efficiency LEDs high 14.22mm (0.56")
- Polarity display : When input is negative, "-" displayed
- Relay contact output : AC 250V~3A, DC30V~5A
- Temp. coefficient : 50ppm/ $^\circ$ C (0-50 $^\circ$ C)
- Dielectric strength : 1.5KVac/1min. (input/output)
- Operating condition : 0~50 $^\circ$ C (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^\circ$ C (20 to 90% RH non-condensed)

3. Outside dimension and connection diagram

