

Power Factor Meter (Transducer Type) - PTF

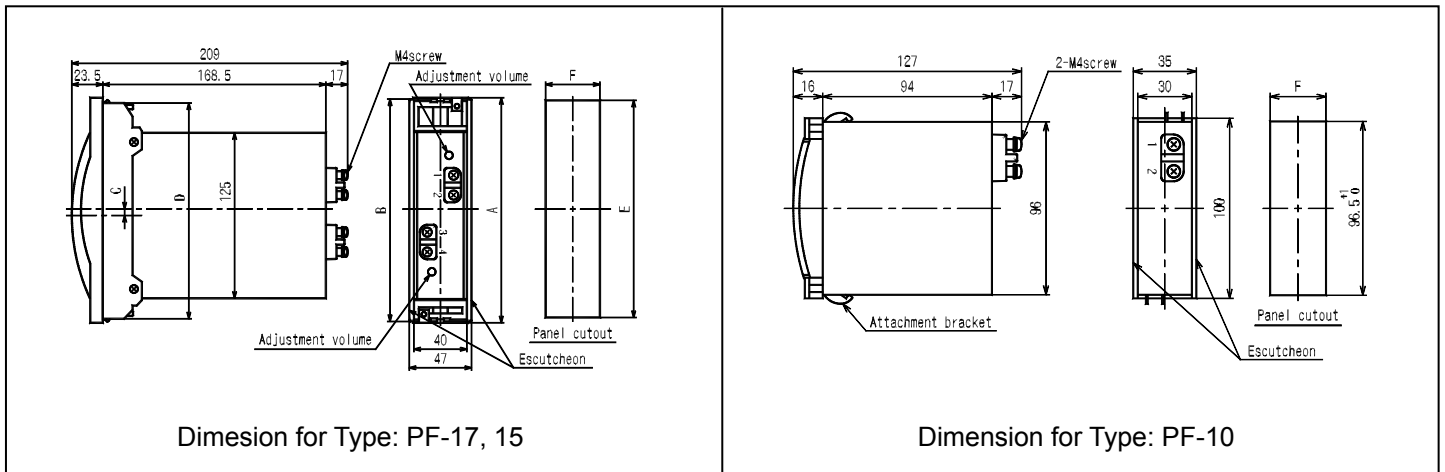
POWER FACTOR METER ⁽¹⁾

Application	Type	Rating ^{(2) (3)}	Consumption VA		Accessory (Transducer)
			Voltage side	Current side	
Single phase	PF-17-□-12 15-□-12 10-□-12	110V, 5A(1A)	1VA	1VA	PT-62M-12
		220V, 5A(1A)	2VA	2VA	
3 phase (balanced)	PBF-17-□-33 15-□-33 10-□-33	110V, 5A(1A)	Each phase 1VA	Each phase 1VA	PBT-62M-33
		220V, 5A(1A)	Each phase 2VA	Each phase 2VA	
3 phase (unbalanced) ⁽⁴⁾	PF-17-□-33 15-□-33 10-□-33	110V, 5A(1A)	Each phase 1VA	Each phase 1VA	PT-63M-33 ⁽⁵⁾
		220V, 5A(1A)	Each phase 1VA	Each phase 2VA	
3 phase 4-wire (balanced)	PBF-17-□-34 15-□-34 10-□-34	110V, 5A(1A)	Each phase 1VA	Each phase 1VA	PBT-62M-34
		220V, 5A(1A)	Each phase 2VA	Each phase 2VA	
3 phase 4-wire (unbalanced) ⁽⁴⁾	PF-17-□-34 15-□-34 10-□-34	110V, 5A(1A)	Each phase 1VA	Each phase 1VA	PT-64M-34 ⁽⁵⁾
		220V, 5A(1A)	Each phase 2VA	Each phase 2VA	

Note:

- ⁽¹⁾ Standard Scale: Lead0.5~1~Lag0.5. Scale for 3 phase 3-wire balance only: Lead0~1~Lag0.
(Effective measuring range: Lead0.3~1~Lag0.3 also can be manufacture)
Please specify frequency (50Hz or 60Hz) all type except 3 phase balanced circuit.
- ⁽²⁾ When above rating is exceeds, please external CT or VT respectively to meter 110V, 5A(1A).
Usable voltage range: 110V: 90~130V; 220V: 180~260V
Please use in positive phase sequence.
- ⁽³⁾ Guaranteed allowance is over than 1/5 of the rated current.
- ⁽⁴⁾ 3 phase (unbalanced), 3 phase 4-wire (unbalanced) is voltage balanced.
- ⁽⁵⁾ Refer to next page for the connection diagram.

Dimension



* n = unit of meter

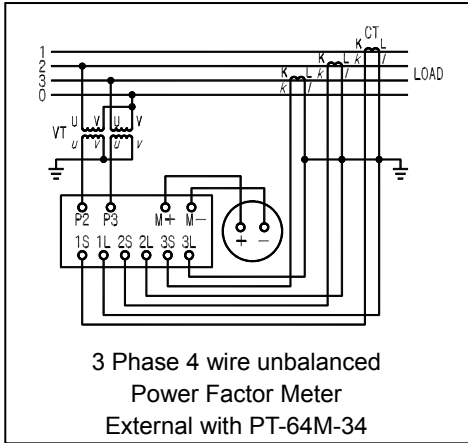
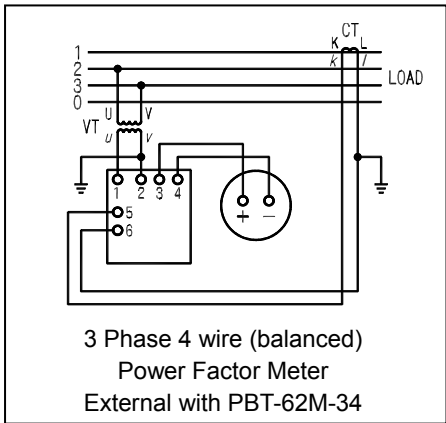
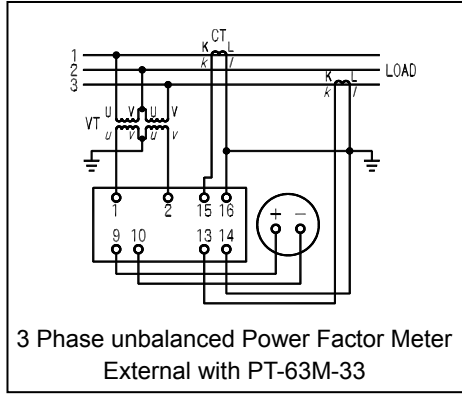
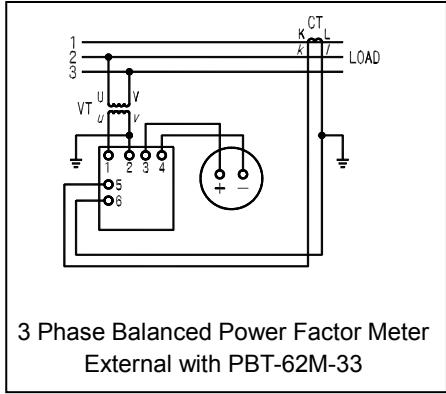
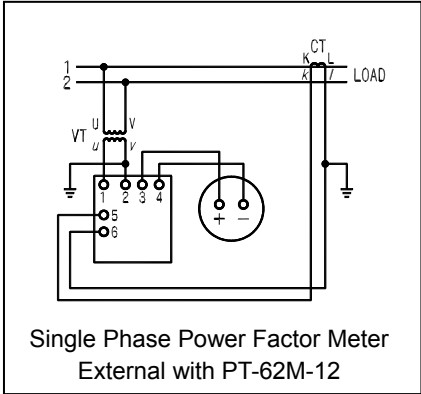
Type	A	B	C	D	E	F	
						1 unit	2-unit or above
PF-17	168	170	4	163	164 ± 0.5	41 ⁺¹ ₋₀	(41 × n) ⁺¹ ₋₀
PF-15	148	150	0	145	146 ± 0.5	41 ⁺¹ ₋₀	(41 × n) ⁺¹ ₋₀

Type	Weight (g)	
	1 pointer	2-pointer
PF-17	Below 1200	Below 2100
PF-15	Below 1200	Below 2100
PF-10	Below 960	

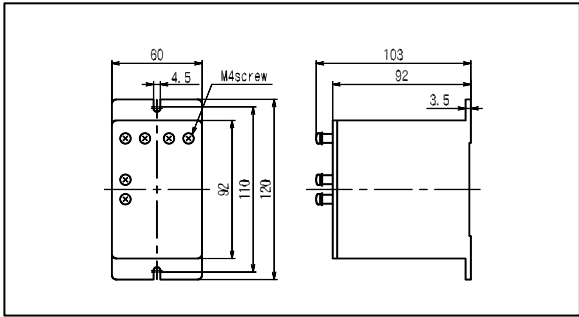
Please assemble the meter in the center of the panel if you need continuous assemble.
Or please contact and discuss with us if you need to continuous assemble more than 10 units.

Power Factor Meter (Transducer Type) - PTF

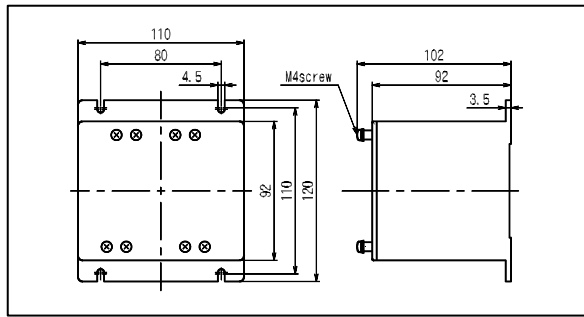
Connection Diagram (If make a mistake on phase sequence, it becomes error)



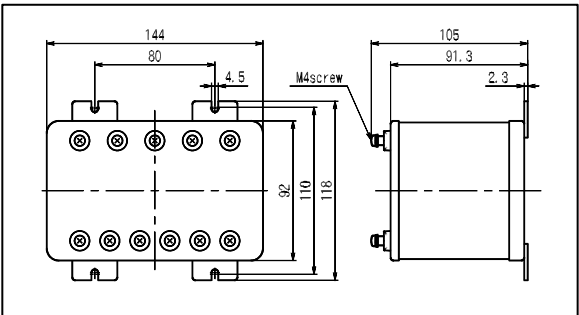
Dimension



P(B)T-62M-□



PT-63M-33



PT-64M-34

Frequency Meter (Transducer Type) - AF

Rated Voltage	Measurement Range	Consumption VA	Accessory (Transducer)	Voltage Change Range
		AF-17, 15, 10		
110V ⁽²⁾	45~55Hz 55~65Hz 45~65Hz 350~450Hz ⁽¹⁾	1.7VA	FT-62M	90~130V
220V ⁽²⁾	45~55Hz 55~65Hz 45~65Hz 350~450Hz ⁽¹⁾	2.5VA	FT-62M	180~260V

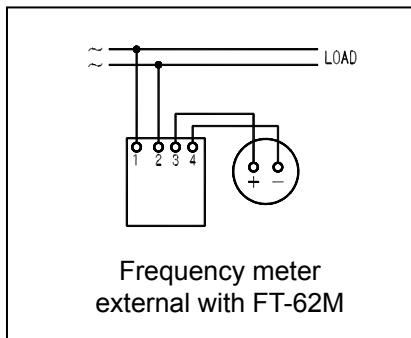
Note:

- ⁽¹⁾ Special frequency measurement range also can be manufacture (up until 1000Hz)
 - ⁽²⁾ Usable voltage range: 110V: 90~130V; 220V: 180~260V
- Please contact with us for manufacture the above rated voltage and voltage change range.

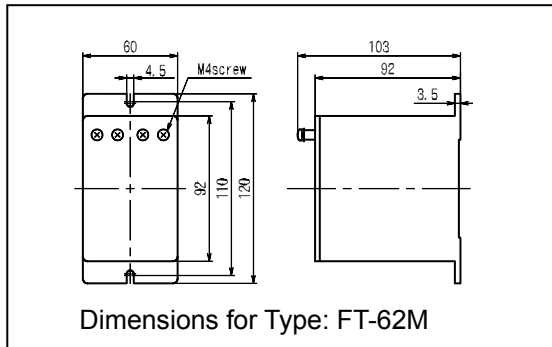
For SCR Waveform Meter

Meter SCR waveform input (Distortion waveform) also can be manufacture.
 Type name: AF-□H-□-□

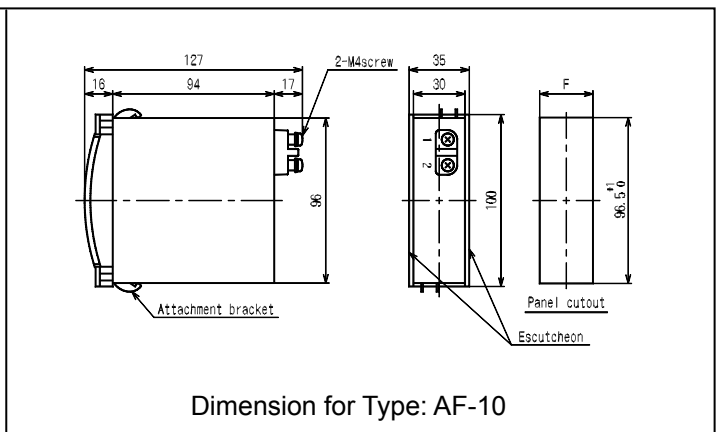
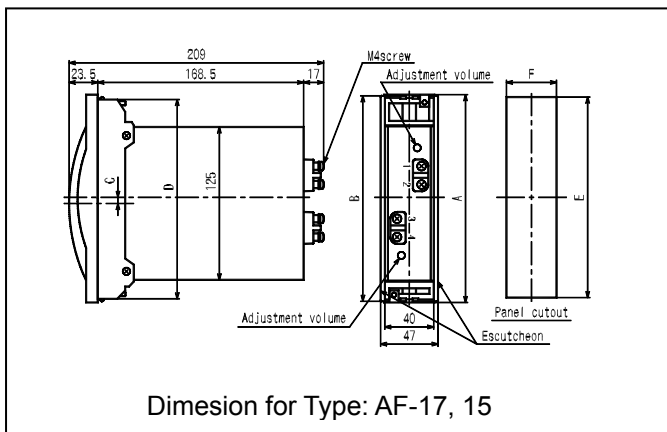
Connection Diagram



Dimensions



Dimensions



* n = unit of meter

Type	A	B	C	D	E	F	
						1 unit	2-unit or above
AF-17	168	170	4	163	164 ± 0.5	41 ⁺¹ ₋₀	(41 × n) ⁺¹ ₋₀
AF-15	148	150	0	145	146 ± 0.5	41 ⁺¹ ₋₀	(41 × n) ⁺¹ ₋₀

Type	Weight (g)	
	1 pointer	2-pointer
AF-17	800	1100
AF-15	800	1100
AF-10	560	/

Please assemble the meter in the center of the panel if you need continuous assemble.
 Or please contact and discuss with us if you need to continuous assemble more than 10 units.