

42,6 Series Pointer analog meter



Main structure and features

42L6,6L2 series instrument consists of measuring circuit, measuring mechanism and indicating device, adopting magneto electric type inner magnetic mechanism with fireproof cover, printed dial plate and crystal glass cover, which makes it aesthetic, generous and extensive outlook.

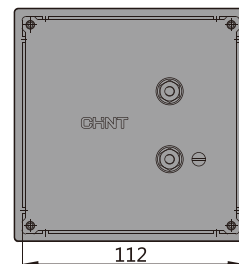
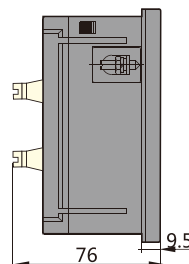
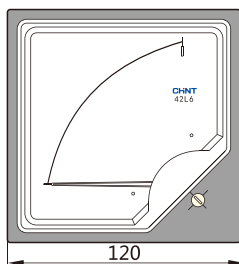
Main technical parameter

Input mode	Type
AC	Voltage meter, current meter, active power meter, reactive power meter, frequency meter, power factor meter
DC	Voltage meter, current meter

Item	Specification	Measuring Range	Accuracy Grade
DC Volt meter	42C3-V 6C2-V	1V~750V(direct connect) 450V~450kV/1mA or 5mA	Class 1.5
DC Current meter	42C3-A 6C2-A	50μA~20A(direct) 20A~10kA/75mV or 60mV (via external current transformer)	Class 1.5
AC Volt meter	42L6-V 6L2-V	15V~600V (direct connect) , 380V~450kV /100V (via voltage transformer)	Class 1.5
AC Current meter	42L6-A 6L2-A	0.1A~50A direct connect) 5A~10kA/5A or 1A	Class 1.5
Frequency meter	42L6-Hz 6L2-Hz	45~55Hz,45~65Hz,55~65Hz, Rated voltage 100V 220V 380V	Class 1.0
Power feter	42L6-W/var 6L2-W/var	100V,220V,380V,380V~380kV/100V 5A, 5A~10kA/5A	Class 2.5
Power factor Meter	42L6-cosφ 6L2-cosφ	0.5C~1~0.5L 100V/5A, 220V/5A, 380V/5A	Class 2.5

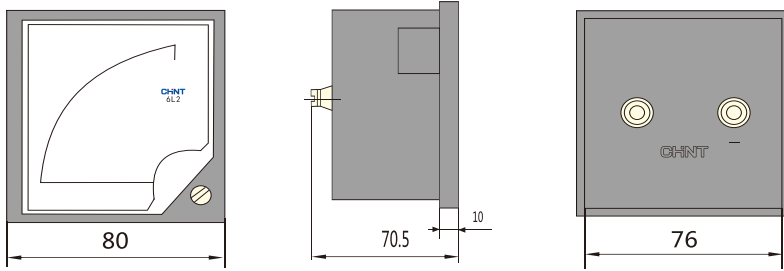
42L6,42C3 outline size diagram

unit : mm



6L2, 6C2 outline size diagram

unit : mm



42,6 Series Pointer analog meter



Model No.

Outline size

Hole size (L×H)

42L6
42C3

120×120×76

116×116

6L2
6C2

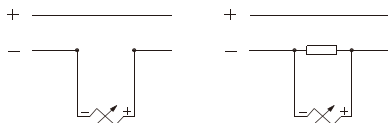
80×80×70.5

77×77

Note : 6L2-W/var outline size:80×80×103,6L2-cosφoutline size:80×80×85,
42L6-W/var outline size: 120×120×88.5.

Wiring mode

◆ 42C3-A.V, 6C2-A.V wiring diagram



current meter(direct connect)

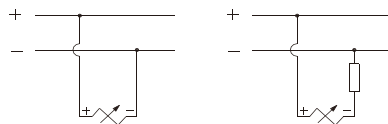
current meter(via external current transformer)

◆ 42L6-A.V, 6L2-A.V wiring diagram



voltage meter(direct connect)

voltage meter(via external voltage transformer)



voltage meter(direct connect)

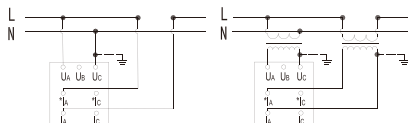
voltage meter(via rated resistor)



current meter(direct connect)

via current transformer

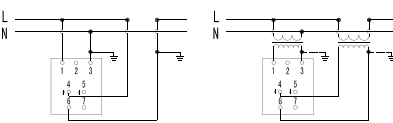
◆ 6L2 single phase power meter wiring diagram



direct connect

via voltage,current transformer

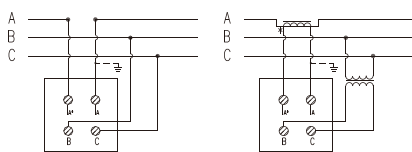
◆ 42L6 single phase power meter wiring diagram



direct connect

via voltage,current transformer

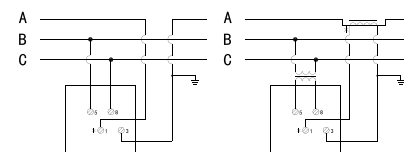
◆ 6L2 power factor meter wiring diagram



direct connect

via voltage,current transformer

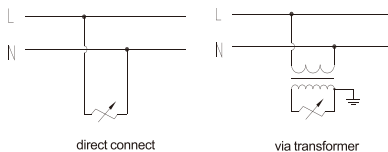
◆ 42L6 power factor meter wiring diagram



direct connect

via voltage,current transformer

◆ 6L2-Hz, 42L6-Hz frequency meter wiring diagram



direct connect

via transformer