

SINCE 1962

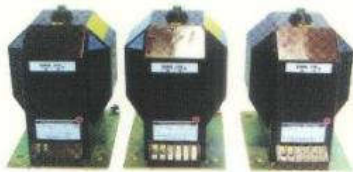


YOUNG-HWA

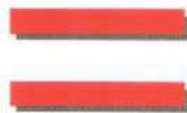
INDUSTRIAL ELECTRIC CO.,LTD.

METERING TRANSFORMER(M.O.F)

12kV, 24kV, 36kV, 72kV



3CT+3PT



3 x (CT+PT)



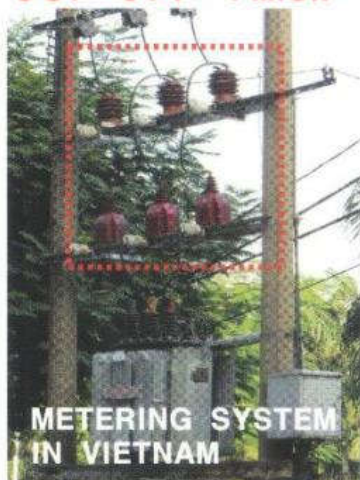
1 x MOF

<http://www.yhe.kr>

E-mail : mofctpt@chol.com

METERING TRANSFORMER

3 CT + 3 PT = 1 M.O.F



OIL TYPE



RESIN TYPE

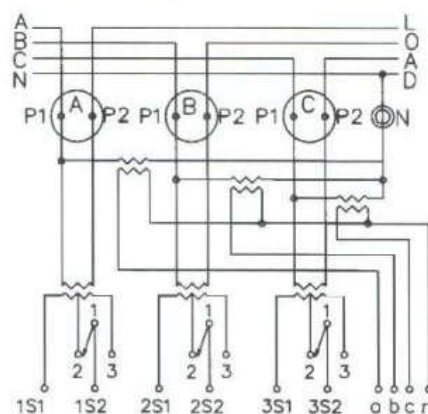
M.O.F is a METERING TRANSFORMER for the METERING SYSTEM.

for example) $22000V/\sqrt{3} : 110V/\sqrt{3}$, 100-50/5A means
MOF transforms high voltage($22000V/\sqrt{3}$) & big current (100A or 50A) of
distribution line into small current(5A) & low voltage($110V/\sqrt{3}$) suitable for the
KWH-METER



1. PORCELAIN BUSHING
2. PRIMARY TERMINAL
3. AIR BREATHER
4. NAME PLATE

TERMINAL MARKING(3P4W)



- CURRENT TAP CHANGE IN THE SECONDARY TERMINAL BOX
- + 1-2 : SMALL CURRENT RATIO (50/5A IN 100-50/5A)
- + 1-3 : BIG CURRENT RATIO (100/5A IN 100-50/5A)



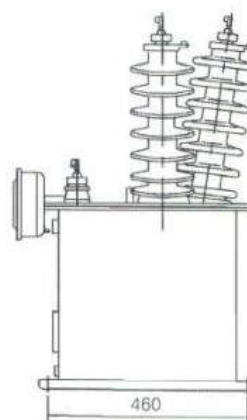
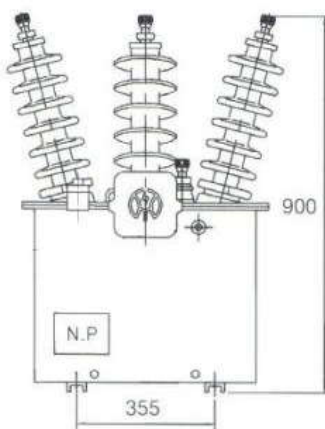
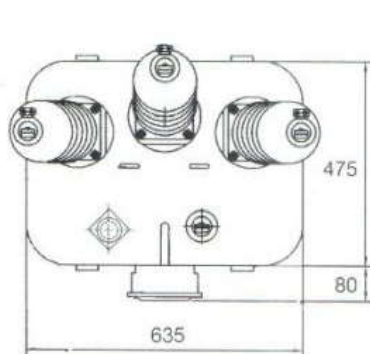
5. EARTH TERMINAL
6. OIL LEVEL INDICATOR
7. SECONDARY TERMINAL BOX
8. NEUTRAL TERMINAL (ONLY IN 3P4W)

Specification(Standard)

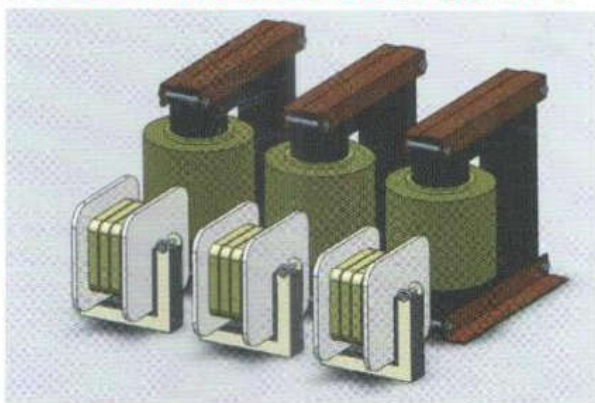
Maximum System Voltage	24kV		36kV	
Phase	3P3W	3P4W	3P3W	3P4W
MODEL NO.	YHM-20	YHM-013	YHM-30	
Service Condition	In-door and Out-door		In-door and Out-door	
Insulation Material	Oil without P.C.B		Oil without P.C.B	
Voltage Ratio	22000V : 110V	22000/-3 : 110V/-3V 23000/-3 : 110V/-3V	35000V : 110V	35000/-3 : 110V/-3V
Current Ratio	10-5/5A ~ 600-300/5A (Double Ratio) 5/5A ~ 600/5A (Single Ratio)		10-5/5A ~ 600-300/5A (Double Ratio) 5/5A ~ 600/5A (Single Ratio)	
Burden(CT)	25VA x 3	25VA x 3	25VA x 3	25VA x 3
Burden(PT)	25VA x 2	25VA x 3	25VA x 2	25VA x 3
Accuracy Class(CT.PT)	0.5CL (0.2CL)		0.5CL (0.2CL)	
Continuous Thermal Current	1.2 x In		1.2 x In	
Insulation Level(BIL)	50/125kV		70/170kV	
Over Current Factor	upto 300/5A : 80In/3sec from 400/5A : 40In/1sec		upto 300/5A : 80In/3sec from 400/5A : 40In/1sec	
Voltage Factor	1.2Vn/Cont (1.9Vn/30sec)		1.2Vn/Cont (1.9Vn/30sec)	
Frequency	50Hz		50Hz	

- All the specifications (Accuracy Class, Burden) can be upgraded by option.
- Standard : IEC (we can meet all the specification you want.)

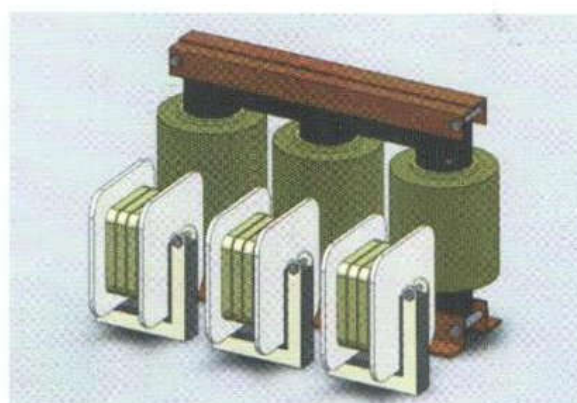
MOF SIZE(24kV UPTO 300-150/5A)



**WE ARE USING "SEPARATE PT CORE STRUCTURE"
FOR BETTER ELECTRICAL QUALITY.**



PT CORES ARE SEPARATED (○)



PT CORES ARE CONNECTED (X)

