
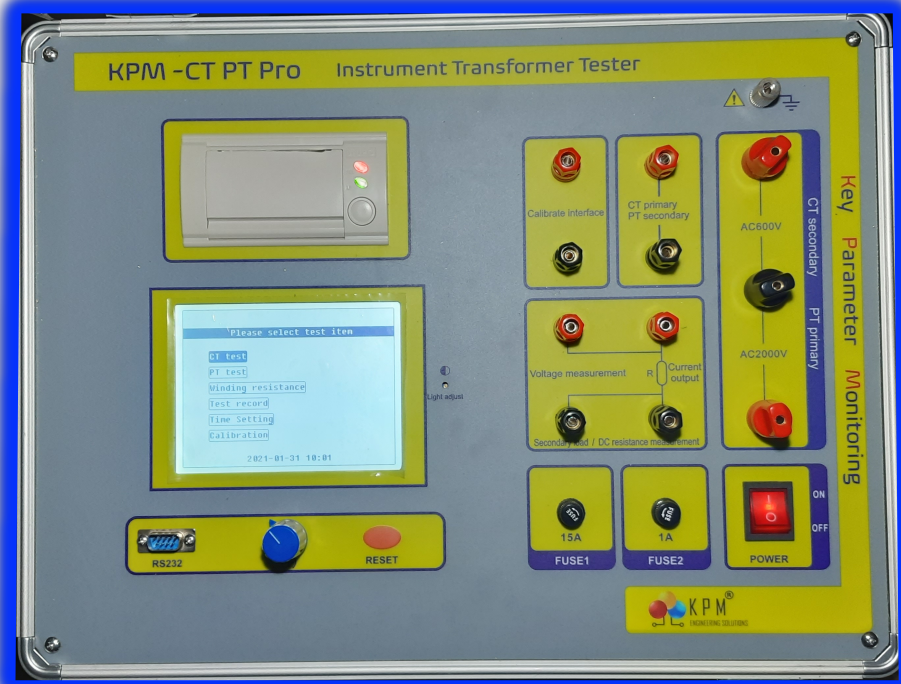
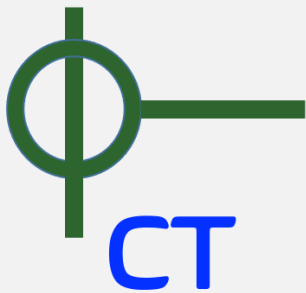
 CT	 PT
Ratio & Phase Error	Ratio
Excitation (V-I Curve)	Excitation (V-I Curve)
Winding Resistance	Winding Resistance
Secondary Burden	Secondary Burden
5% Error Test	Secondary Burden



KPM CT PT - Pro

A Test Solution With Unmatched features



Ratio & Phase Error

Excitation (V-I Curve)

Winding Resistance

Secondary Burden

5% Error Test

Ratio

Excitation (V-I Curve)

Winding Resistance

Secondary Burden

Ratio and phase test

Pri rated I: A Sec rated I: A

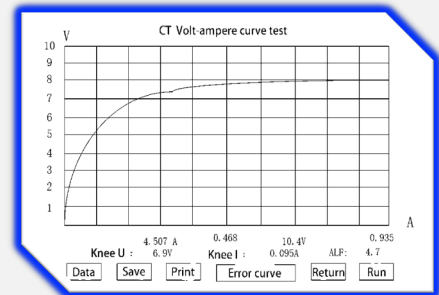
Winding: Ω Burden: Ω Cosφ:

Rated current	Phase error	Ratio error
5%	()	%
20%	()	%
100%	()	%
120%	()	%

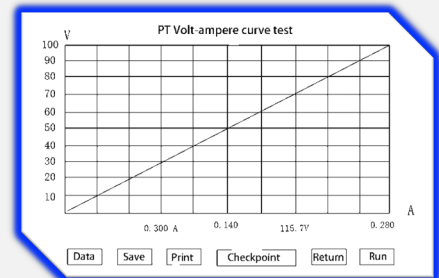
Sec voltage: Pri voltage: Ratio error: %

Polarity: Ratio:

CT Ratio Error & Phase Error



CT Excitation (V-I Curve)



PT Excitation (V-I Curve)

PT Ratio and polarity test

Rated voltage: Pri KV Sec V

Secondary rated voltage select

1: Secondary rated voltage 130 V
2: Secondary rated voltage 130 / √3 V
3: Secondary rated voltage 130 / 3 V

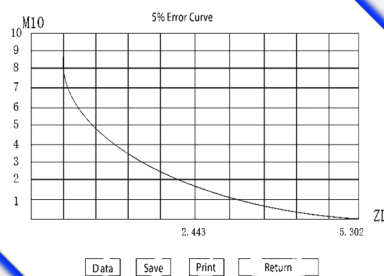
Primary U: Secondary U:
Ratio: Error:

PT Ratio & Polarity

Polarity test

Result:

Polarity Test



CT 5% Error Curve

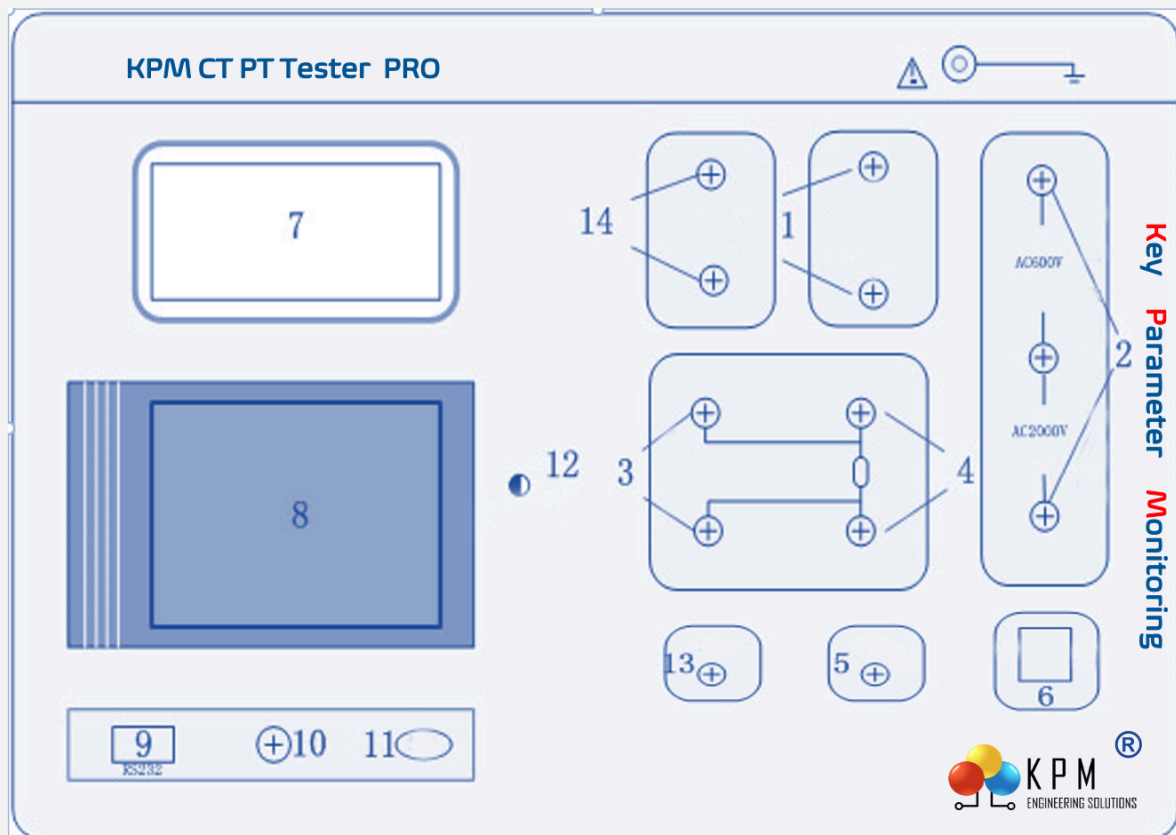
Secondary burden range 0.1 – 5 Ω

Secondary burden range 5 – 50 Ω

Secondary Burden

Equipment Description :

S.NO	Detail	S.NO	Detail
1	CT ratio and phase test primary / PT ratio and polarity test secondary (600V/2000V option)	8	Display screen
2	CT ratio and phase test secondary / power output	9	RS232
3	Winding resistance test voltage measure	10	Rotating mouse
4	Winding resistance test current measure (power output)	11	Reset
5	Main board fuse (1A)	12	Backlight adjustment
6	Power switch	13	Voltage regulator fuse (10A)
7	Printer	14	Calibrate interface



KPM's CT PT - Pro

Key Specifications :

Technical Specifications	Power supply	Output scope	Measuring scope	Measuring accuracy
CT volt-ampere test	220V	0 ~ 2000V、0 ~ 5A	0 ~ 2000V、0 ~ 5A 2000VA	0.5%RGD ~ 0.05%FS
CT ratio and phase test (1 to 10000 Turns)	220V	0 ~ 600V	0 ~ 600V、0 ~ 50mA	0.5%RGD ~ 0.05%FS
PT ratio and phase test (1 to 10000 Turns)	220V	0 ~ 600V	0 ~ 600V、0 ~ 0.7V	0.5%RGD ~ 0.05%FS
PT volt-ampere test	220V	0 ~ 130V	0 ~ 130V	0.5%RGD ~ 0.05%FS
Winding resistance test	220V	0.1 ~ 0.2A	0 ~ 50Ω	0.5%RGD ~ 0.05%FS
Working power	AC220V±1 0% 50HZ	External dimensions	450×340×300mm	Weight - 33.5KG



KPM ENGINEERING SOLUTIONS PVT. LTD.
815 A, 8th Floor, Unitech Arcadia, Sec 49,
Gurugram – 122018 ,Haryana
Website : www.kpmttek.com
Email : info@kpmttek.com
Phone No : +91 124 4001088