KPM's OIL Tan Delta Test Set (KPM-OTD Series)

Introduction:

KPM's Oil Tan Delta Test Sets (KPM-OTD Series equipment) are Digital Automatic Dielectric Dissipation Factor Testers with high-precision, which can be applied to measure dielectric loss angle and Volume Resistivity of insulating oil in lab conditions . It is integrated by oil cup for dielectric loss, temperature-control equipment, temperature sensor, test-bridge for dielectric loss, AC power source, standard capacitor, high resistance meter and DC high-voltage power etc.

Insulation Oil diagnostics at its best.

Features:

High frequency induction heating, which has the advantage of

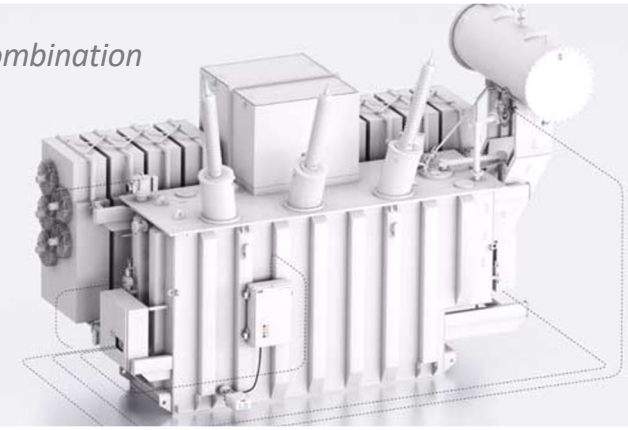
- Non-contact of oil cup and heating unit
- Homogeneous heating
- Quick and convenient temperature control

Convenience and Portability are the most remarkable advantages of this instrument:

1. Digital technology and intelligent automation measurements.
2. Big touch screen (320mm×240mm) with menu interface in English.
3. Onboard Printer .

KPM-OTD Series is a combination of -:

- *Simplicity*
- *Accuracy*
- *Ruggedness*
- *Portability*



KPM™ ENGINEERING SOLUTIONS

Key Parameter Monitoring

KPM's OIL Tan Delta Test Set (KPM-OTD Series)

Technical Specifications:

S.No	Parameters	OTD 01		OTD 02 (With drain valve)
1	Condition of Use	-5℃~40℃ RH < 80%		-5℃~40℃ RH < 80%
2	Power Source	AC 220V±10%		AC 220V±10%
3	AC High Voltage Output	400V~2200V ±2% Every 100 50VA		500V-2000V Cont.
4	DC High Voltage Output	200V~600V ±2%		300V-500V Cont.
5	Temperature Control Induction Heater	Maximal Power 500W		100W
6	Temperature Control Range	<100℃		0 To 120℃
7	Temperature Control Error	±0.5 ℃		±0.5 ℃
8	Temperature Measurement Resolution	0.1℃		0.1℃
9	Temperature Control Time	Room Temperature 90℃ <20min		<35min
10	Measuring Range	tgδ :	Without Limit	:0001-100
		Cx :	15PF-300PF	5pF-200pF
		Rx :	10M-20T	2.5M-20 T
11	Resolution	tgδ :	0.001%	0.001%
		Cx :	0.01pF	0.01pF
		Rx :	0.01	0.01
12	Precision	tgδ :	±(Reading*0.5%+0.020%)	±1%
		Cx :	±(Reading*0.5%+0.5PF)	±1%
		Rx :	±Reading * 10%	±10%
13	Relative Dielectric Loss Constant	εr	Calculated Automatically	Calculated Automatically
14	Volume Resistivity	ρ	Calculated Automatically	Calculated Automatically
15	Dimension	450(L)×310 (W) ×360 (H)		500 (L) ×360 (W) × 420 (H)
16	Weight	21Kg		22Kg

KPM Engineering Solutions Pvt. Ltd.
Phone: 91-124-4001088
Email: sales@kpmtek.com
Website: http://www.kpmtek.com
815 A, 8th Floor, Unitech Arcadia , Sector 49 ,
Pin – 122018 , Gurugram

KPM™ ENGINEERING SOLUTIONS

Key Parameter Monitoring