KPM Oil Breakdown Voltage Tester (KPM-OBD 80/100+)

As the name suggests, **KPM-OBD+** is used for measuring breakdown strength of the insulating oil.

➢The dielectric strength of an insulating oil is a measure of the oils ability to withstand electrical stress without failure.

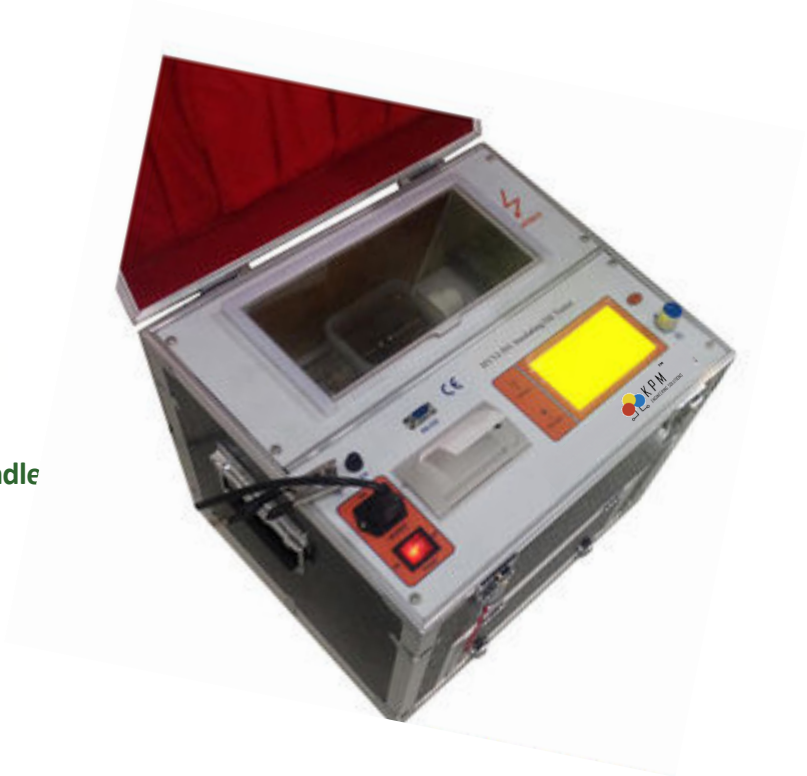
➢The test involves applying an ac voltage at a controlled rate to two electrodes immersed in the insulating fluid. The gap is a specified distance. When the current arcs across this gap, the voltage recorded at that instant is the dielectric strength/breakdown strength of the insulating liquid.

Onsite BDV testing of Insulating Oil – A better option

On-site testing has unmatched advantage as it provides us immediate results.

➢ It is highly useful in case of emergencies & making quick decisions for most critical part of power system i.e. Power Transformer .

➢ If a suspicious result is obtained, it is usually possible to repeat the test without delay and, if the problem is confirmed, the affected transformer can be taken out of service immediately.



Key Points:

- **Small in size**
- **Light weight & portable with integrated handle**
- **Programmable Test Sequences as per IEC156/IS6792/BS5874**
- **Programmable & calculation of the average value of the oil breakdown strength**
- **Easily adjustable electrodes**
- **Integrated thermal printer**

Key Specifications:

Input Power	AC 220V±22V, 50Hz±2Hz	
Output	Model	Voltage
	KPM-OBD80+	0-80kV
	KPM-OBD100+	0-100kV
Voltage Rising rate	2kV/sec±10%	
Testing Times	1-9 times	
	Stir time	0-99sec
	Settling Delay	0-9'59"sec
Environmental	Operating Temperature: 0°C~40°C Storage Temperature: -10°C~60°C Humidity: ≤90%	
Dimensions	420x380x410 (mm³)	
Weight	32 Kg	

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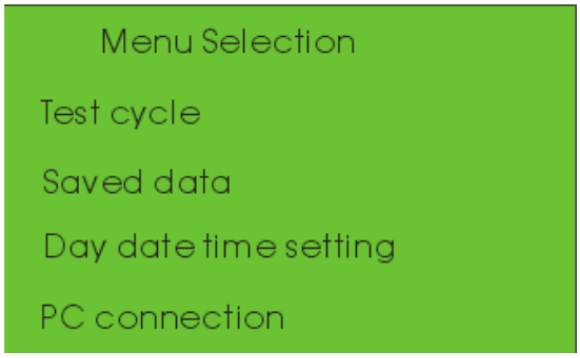
*All product specifications & pictures are subject to upgrade without prior notification

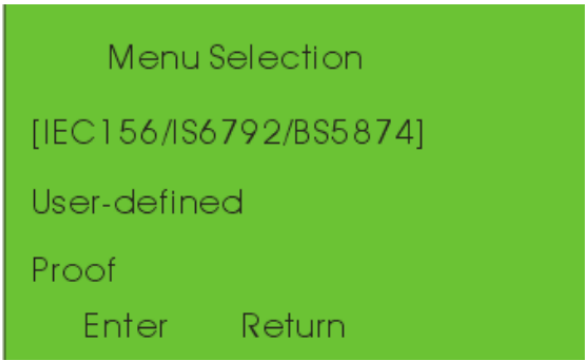
Key Parameter Monitoring

KPM Oil Breakdown Voltage Tester (KPM-OBD 80/100+)

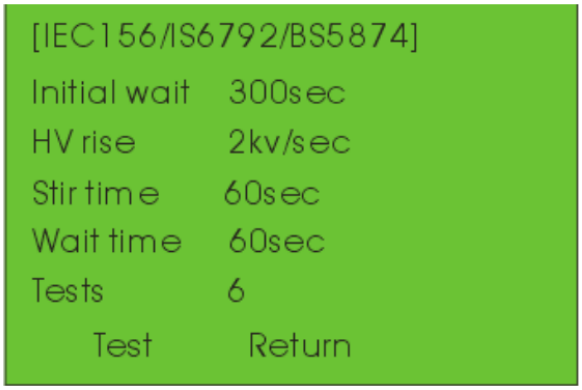
Front Panel Display :



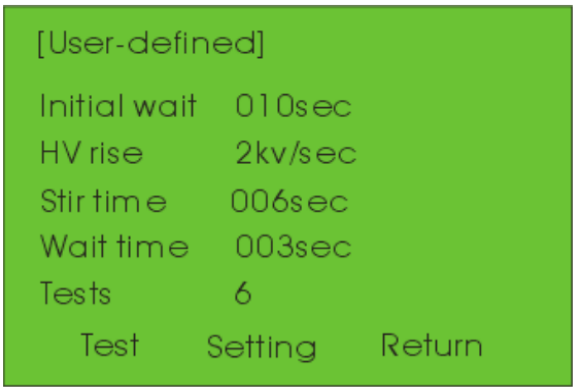
Picture 1 Main menu



Picture 2 Test selection menu



Picture 3 Parameters setting of IEC156/IS6792/BS5874



Picture 4 Parameters setting of User-defined

KPM-OBD is having Automatic Pre-programmed Test Sequences as per latest IEC & IS 6792. It is also capable of programming a customer defined test sequence .

STIR TIME

- Stirrer increases the possibility that within oil container during every test a fresh sample of oil shall come between the electrodes without physically opening the lid and hence reducing the chances of atmospheric contamination of oil sample.

SETTLING DELAY

- Settling delay is being preceded by the stirring process where impurities are left to deposit in the bottom of the Chamber due to effect of gravity .
- Sufficient “settling delay” after “Stirring” process reduces the chances of premature voltage breakdown in oil test sample due to presence of impurity particle between the electrodes.

NUMBER OF TESTS

- User can enter the number of test and final result is a calculation of the average value of the oil breakdown strength .

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Key Parameter Monitoring

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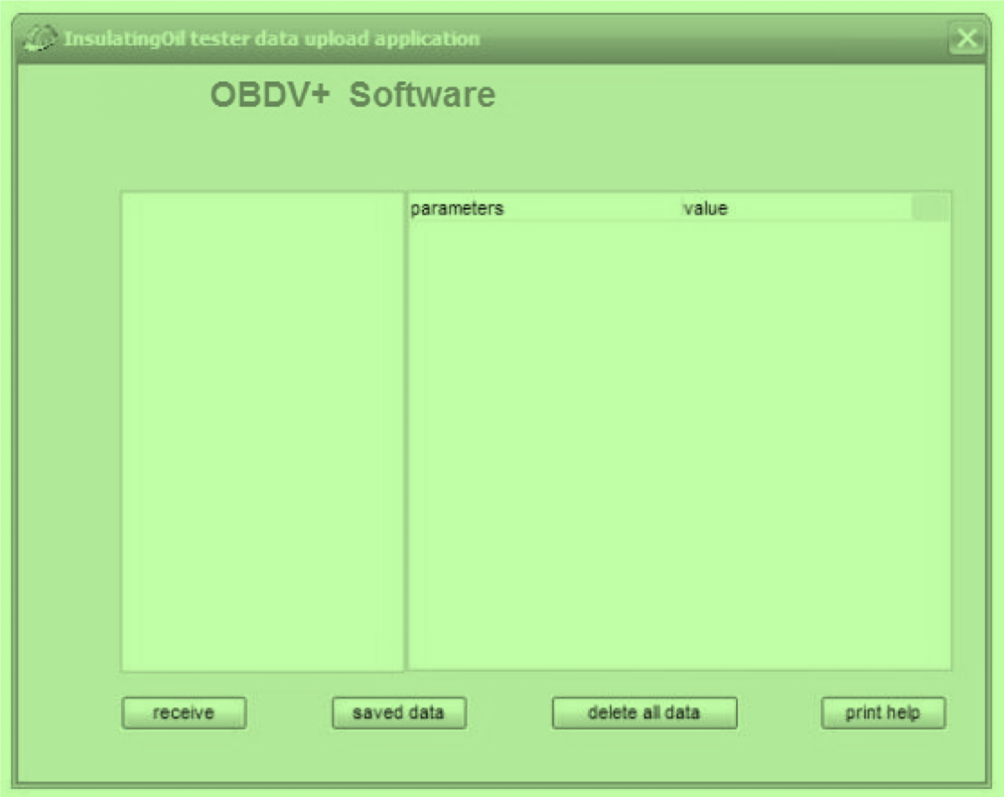
PC Software:



About Us

KPM is a high quality manufacturer & provider of rugged electrical testing equipment for EHV/HV/LV substations. KPM solutions are known for:

- Best in class specifications
- Unique test approach
- Interference rejection capability

Each equipment is supported by advance service center in Gurgaon backed by a team of expert application & service engineers. KPM aims in bringing highest specification products at the doorstep of Indian customers in best rates.

Contact Us

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