

OC90D

Liquid Dielectric Test Sets with Manual Control - 90 kV



■ The OC90D Liquid Dielectric Test Set accurately and reliably tests dielectric strength of insulating liquids used in a wide variety of electrical apparatus. The rugged, lightweight and portable design ensures years of safe and trouble-free operation both in the field and in the laboratory.

This series is designed to meet testing specifications from all parts of the world with test cells available for ASTM D877, and ASTM D1816 testing standards. Each unit also includes three pre-programmed rates of voltage rise and automatic termination of high voltage upon sample breakdown. A digital memory kilovoltmeter automatically records the breakdown voltage for each test sample. A 60kV AC model, OC60-DI, is available with digital interface controls.



FEATURES

- ☑ **Environmentally friendly FR3™** transformer oil
- ☑ **Lightweight and portable** design
- ☑ **Rugged and reliable** construction
- ☑ **Automatic high voltage shutdown** at breakdown point
- ☑ **Digital** memory kilovoltmeter
- ☑ **Meter accuracy** $\pm 2\%$ of full scale
- ☑ **Safety interlocked** high voltage section
- ☑ Test cells available for **ASTM D877, ASTM D1816** and testing

BENEFITS

- Multi-purpose** compact design for field and factory.
- Sturdy and Reliable** for a long trouble-free life
- Easy** to use integrated controller.

APPLICATIONS

Testing of insulating liquids in:

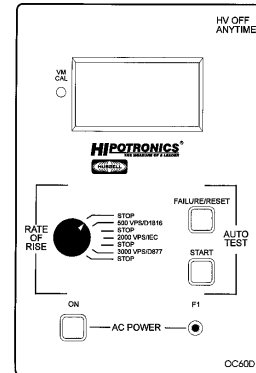
- Transformers
- Bushings
- Switchgear
- Capacitors
- Hydraulics



TECHNICAL SPECIFICATIONS

Model Number		OC90D-*
System Output		0 - 90kV
Meter Accuracy		±2% of full scale
Dimensions (W x H x D)	Net	30 x 12 x 17 in (76 x 30 x 43 cm)
	Shipping	30 x 20 x 20 in (76 x 51 x 51 cm)
Weight	Net	122lbs (55kg)
	Shipping	190lbs (86kg)
Input Voltage & Frequency		* In the model number, designate 'A' for 120V/60Hz input or 'B' for 230V/50 Hz input
Harmonized Tariff Code		9030.33.0040
ECCN		3A992.A
Included Accessories		Input Chord (7.5ft/2.3m), Calibration Certificate, Operations Manual

SYSTEM CONTROLS



OPTIONAL EQUIPMENT & ACCESSORIES

Part Number	Description	Dimensions (W x H x D)	Weight	
			Net	Shipping
TCCE90	Test Cell: Contains VDE mushroom electrodes and motor driven circulating system (ASTM D1816). disc electrodes with 0.1 inch gap gauge are supplied (ASTM D877).	13 x 6 x 6 in (33 x 15 x 15 cm)	11 lbs (5 kg)	20 lbs (9 kg)
OCCM-E	Calibration Cell: Digital Calibration and ramp rate meter. Digital display (0.5 inch), molded epoxy case, and 2% accuracy at full scale.	6 x 6 x 6 in (15 x 15 x 15 cm)	4 lbs (2 kg)	8 lbs (4 kg)
SPK1-OC90D	Spare Parts Kit for OC90D			
EXT-WARN-1	One-year extended warranty			



Test Cell: TCCE90
ASTM D877
ASTM D1816