



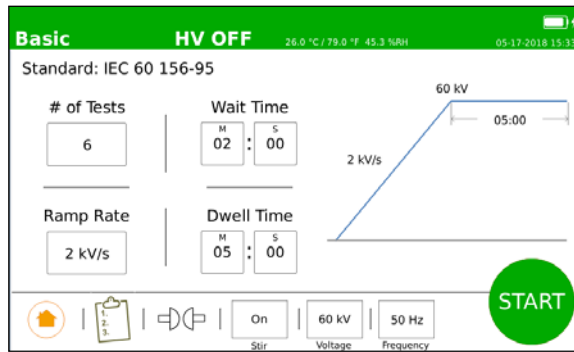
## HIPOTRONICS

# OC60-DI

## Digital Liquid Dielectric Tester – 60kV

The OC60-DI Liquid Dielectric Tester accurately and reliably tests the 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 model is designed to meet testing specifications from all parts of the world with test cells available for ASTM D877, ASTM D1816 and IEC 156 testing standards. The OC60-DI gives the user the ability to use pre-programmed standards in basic mode or create their own tests using custom mode. An internal digital kilovoltmeter automatically records the breakdown voltage for each test sample. Each test can be saved into the unit's internal memory and transferred to a USB drive. Embedded printer available, consult factory.



### FEATURES

- ✓ **Lightweight and portable** design; **Rugged and reliable** construction
- ✓ **Automatic Breakdown Detection** within 4 $\mu$ s of Breakdown Point
- ✓ **Preprogrammed Test Standards**
- ✓ **Breakdown Voltage**  $\pm$  2% of full scale
- ✓ Test cells available for **ASTM D877, ASTM D1816** and **IEC 156** testing
- ✓ Record and Transfer test results and data analysis via **USB2.0**
- ✓ **7" color, touch screen display** with adjustable brightness
- ✓ **Safe operation with slide screen magnetic interlock**
- ✓ **Adjustable test parameters** such as target voltage, ramp rate, dwell and wait time

### BENEFITS

- ✓ **Multi-purpose** compact design for field and factory
- ✓ **Sturdy and Reliable** for a long trouble-free life
- ✓ **User Friendly** Touchscreen Interface
- ✓ **Battery Operated** for testing in the field
- ✓ **Ease to share results** via USB transfer or embedded printer (optional)

### APPLICATIONS

Testing of insulating liquids in:

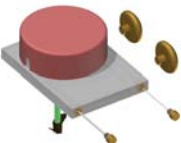


- ✓ Transformers and Bushings
- ✓ Switchgear
- ✓ Capacitors
- ✓ Hydraulics

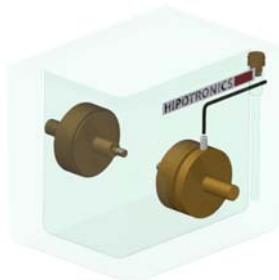


## TECHNICAL SPECIFICATIONS

|                                      |          |   |
|--------------------------------------|----------|---|
| <b>Model Number</b>                  |          | <b>OC60-DI</b>  |
| <b>System Output</b>                 |          | 0 – 60kV AC   |
| <b>Voltage Breakdown Accuracy</b>    |          | ±2% of full scale   |
| <b>Dimensions (W x H x D)</b>        | Net      | 16 x 13 x 15in (41 x 33 x 38cm)   |
|                                      | Shipping | 24 x 19 x 21in (61 x 48 x 53cm)   |
| <b>Weight</b>                        | Net      | 60lbs (25kg)  |
|                                      | Shipping | 65lbs (28kg)  |
| <b>Input Voltage &amp; Frequency</b> |          | 90-264VAC; 50 or 60Hz   |
| <b>Internal Battery</b>              |          | NiMH, 12VDC, 8,400mAh   |
| <b>Included Accessories</b>          |          | Input Cord, Calibration Certificate, Operations Manual  |
| <b>Languages</b>                     |          | English, French, German, Mandarin, Spanish, Portuguese  |
| <b>Preloaded Standards</b>           |          | ASTM D1816, JIS C 2101-99, ASTM D1816, SEV EN 60156, ASTM D1816, UNE EN 60156, ASTM D877, NF EN 60156, ASTM D877, SABS EN 60156, BS EN 60156, VDE 0370 Part 5, CEI EN 60156, AS 1767.2.1, IRAM 2341, GOST 6581-75, BS148, IS 6792 |
| <b>ECCN: 3A992.A</b>                 |          | <b>HTS : 9027.80.4560</b>   |

## OPTIONAL EQUIPMENT & ACCESSORIES

| Part Number   | Description  | Shipping Dimensions (W x H x D) | Weight            |                   |
|---|--|---------------------------------|-------------------|-------------------|
|   |  |                                 | Net               | Shipping          |
| OC-TC   | Translucent test cell for OC60-DI. No electrodes included.   | 6 x 6 x 6in<br>(15 x 15 x 15cm) | 3lbs<br>(1.4kg)   | 8lbs<br>(3.6kg)   |
| TC-1816-KIT<br> | Electrode Test Kit for <b>ASTM D1816</b> . Includes motor-driven circulating system and two VDE electrodes. Electrodes are installed into the OC-TC test cell. 0.08 and 0.04 inch gap gauges are supplied. | 6 x 6 x 6in<br>(15 x 15 x 15cm) | 2lbs<br>(1kg)     | 7lbs<br>(3kg)     |
| TC-156-KIT<br> | Electrode Test Kit for <b>IEC 156</b> . Includes two VDE electrodes. Electrodes are installed into the OC-TC test cell. 0.1 inch gap gauge is supplied.  | 6 x 6 x 6in<br>(15 x 15 x 15cm) | 1.5lbs<br>(0.7kg) | 6.5lbs<br>(2.8kg) |
| TC-877-KIT<br> | Electrode Test Kit for <b>ASTM D877</b> . Includes two flat disc electrodes. Electrodes are installed into the OC-TC test cell. 0.1 inch gap gauge is supplied.  | 6 x 6 x 6in<br>(15 x 15 x 15cm) | 1lbs<br>(0.5kg)   | 6lbs<br>(2.7kg)   |
| OCCM-E  | <b>Calibration Cell:</b> Digital Calibration and ramp rate meter. Digital display (0.5 inch), molded epoxy case, and 2% accuracy at full scale.  | 6 x 6 x 6in<br>(15 x 15 x 15cm) | 4lbs<br>(2kg)     | 8lbs<br>(4kg)     |
| EXT-WARN-1  | One-year extended warranty   |                                 |                   |                   |



Test Cell: OC-TC