



DTS Series Oil Dielectric Test Set

"0 - 100 kV Automatic Oil Dielectric Test Set

The **DTS-100A** and **DTS-100AF** are fully automatic liquid dielectric test sets, typically used for testing the breakdown voltage level of insulating oils, hydraulic oils, and other dielectric fluids. The most common world standards including **ASTM D-877**, **ASTM D1816**, and **IEC 156** are preprogrammed into the controls for easy operation. Just hit the start button and the test is performed. Custom test sequences may also be programmed. Test results are stored internally and can be downloaded to a computer via RS232 or printed using the onboard thermal printer. Convenience features like a removable oil drip tray and rugged design make our DTS series ideal for field use.

- Clear and easy to use controls
- 128 x 64 dot matrix crystal display
- "12 preprogrammed standard test sequences; ASTM D1816/12, ASTM D877/13, IEC 156/95, IEC 156/63, ASTM D1816/84, ASTM D877/87, UTE C27-221/74, CEI 10-1/73, VDE 370, IRAM 2341/72, RVHP 1985, and PN-77/ED4408
- Internal memory holds last 50 tests w/ RS232 interface
- User definable test sequences
- Ambient temperature sensor
- English, German, Spanish, French, Greek
- Thermal printer included

Model	DTS-100A/DTS-100AF
Input	120 Vac, 60hz, 7A (DTS-100A) 230 Vac, 50/60hz, 3A (DTS-100AF)
Output	0-100 kVac, 800 VA resistive
Optional Test Cells (Sold Separately)	TCD-N3 for ASTM D877, TCD-N5 for ASTM D1816, TCD-NI2 for IEC 156
Controls	10 pre-programmed test sequences / User programmable test routines. 128 x 64 dot matrix crystal display / Intuitive, easy to use controls in English, German, Spanish, French, Greek / Thermal printer
Size and Weight	18.5 x 16.5 x 16.5 in., 100lb 470 x 419 x 419 mm, 45kG
Output Termination	Dual high voltage sections with brass corona spheres in test chamber

Test Cells

TCD-N3 – For ASTM D877, flat disc electrodes, 625mL sample size, 0.100-inch gap adjustment gauge

TCD-N5 – For ASTM D1816, spherical electrodes, 625mL sample size, 0.100, 0.080, and 0.040-inch gap adjustment gauges, includes motorized stirring assembly

TCD-NI2 – For IEC 156, spherical electrodes, 625mL sample size, 0.100, 0.080, and 0.040-inch gap adjustment gauges,

Optional Accessories

PN 32-0391 Reusable Shipping Container



HVI HIGH VOLTAGE, INC. 31 County Route 7A • Copake, NY 12516
hvinc.com • f. 518.329.3271 • p. 518.329.3275

DTS-100A DTS-100AF

0 - 100 kV AC, 800 VA



TCD-N5

TCD-NI2



TCD-N3

