HVI®

DTS Series
Oil Dielectric Test Set
0 - 60 kV Oil Dielectric Test Set

DTS-60D
DTS-60DF
0 - 100 kV AC, 800 VA

The DTS-60D and DTS-60DF are CE Marked liquid dielectric test sets, typically used for testing the breakdown voltage level of insulating oils, hydraulic oils, and other dielectric fluids per the most common world standards including ASTM D-877, ASTM D1816, and IEC 156. Three user-selectable automatic voltage rates-of-rise, and automatic voltage shutdown with the meter indicating the breakdown voltage of the insulating liquid under test. Its durable aluminum construction, small footprint, a removable oil drip tray and rugged design make our DTS series ideal for field, factory, or laboratory use.

- Three motorized rates of rise: 500V/2000V/3000V per second
- Arc detection with automatic shutdown and failure indicator
- Window panel for test observation
- Convenient removable tray for test cell storage
- Convenient removable drip tray in bottom of test chamber
- Accessory outlet located within test chamber
- One-piece portable design
- Zero Start safety and test chamber interlock provision

Model	DTS-60D/DTS-60DF
Input:	120 Vac, 60hz, 7A (DTS-60D) 230 Vac, 50/60hz, 3A (DTS-60DF)
Output:	0-60 kVac, 800 VA resistive load
Meter Accuracy	+/- 2% of full scale
Optional Test Cells (Sold Seperately)	TCD-3 for ASTM D877, TCD-5 for ASTM D1816, TCD-I2 for IEC 156
Operating Temperature	14° to 104° F, -10° to 40° C
Size and Weight	14.75 x 14 x 11.5 in., 60lb 375 x 356 x 291 mm, 27kG
Output Termination	Dual capacitively graded bushings in test chamber

Test Cells

TCD-3 – For ASTM D877, flat disc electrodes, 150mL sample size, 0.100-inch gap adjustment gauge
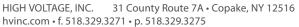
TCD-5 – For ASTM D1816, spherical electrodes, 625mL sample size, 0.100, 0.080, and 0.040-inch gap adjustment gauges, includes motorized stirring assembly

TCD-I2 – For IEC 156, spherical electrodes, 625mL sample size, 0.100, 0.080, and 0.040-inch gap adjustment gauges,

Optional Accessories

PN 32-0393 Reusable Shipping Container

TCD-5
TCD-I2
TCD- 3