

TOR - 60

TOR-60 instrument is designed to measure the dielectric strength of transformer oil and other dielectric fluids according to IEC 60156, VDE 0370, ASTM D877, ASTM D1816, IRAM 2341.

It is a fully automatic device that allows testing according to the procedures defined in these standards, as well as according to the user procedures specified in the appropriate section of the setup menu.

The instrument can be manufactured with a magnetic or an impeller stirrer.



Parameter

Value

Operating AC voltage (internal rechargeable battery), V	85 – 264
Power frequency, Hz	48 – 63
Power requirement, VA	70 max
Max voltage output, kV	Sinusoidal, up to 60 kV RMS
Output voltage measurement accuracy, kV	±1
Voltage increase rate, kV/sec	From 0.5 to 10*
Resolution of output voltage indication, V	100
High voltage timeout after breakthrough, μs	10 max, 4 typical
Measuring cell volume, cm^3	500
Ambient temperature measurement range, $^{\circ}C$	0 – 100
Temperature measurement resolution, $^{\circ}C$	0.1
Inbuilt printer	Yes
Operating temperature, $^{\circ}C$	0 – 50
Storage temperature, $^{\circ}C$	From – 20 to + 60
Relative humidity, %	Up to 90 without condensation
Dimensions, mm, not more than	510x300x334
Weight, kg, not more than	30

*Adjustable