

Breakdown voltage tester TOR-80



Fully automated measurement of breakdown voltage up to 80 kilovolts with the highest possible accuracy.

Instantaneous (4 μ s) disconnection of the test voltage when a breakdown occurs.

A variety of standard and custom measurement procedures can be programmed.

Simple and convenient user interface.

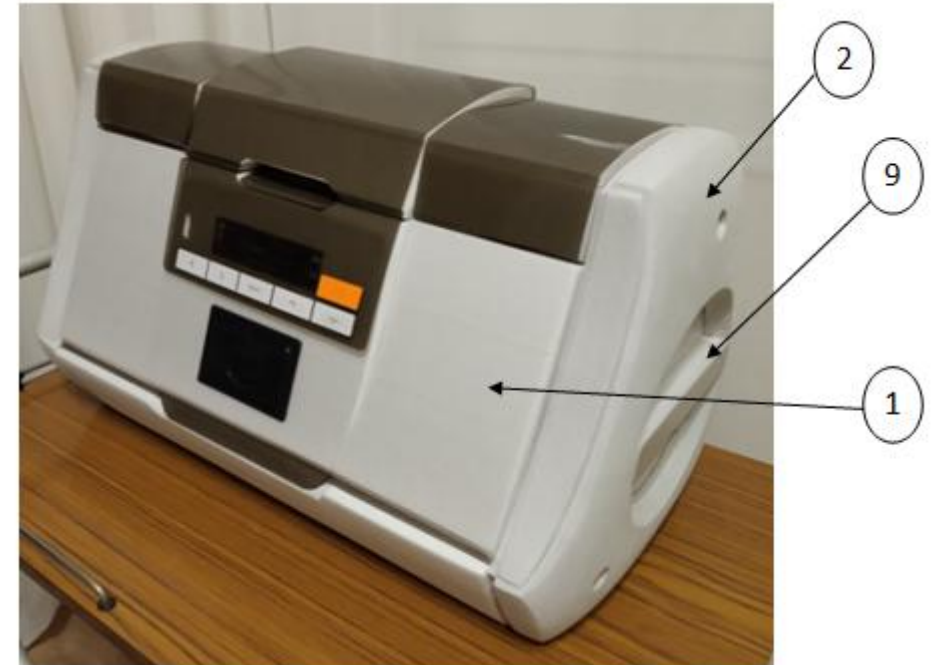
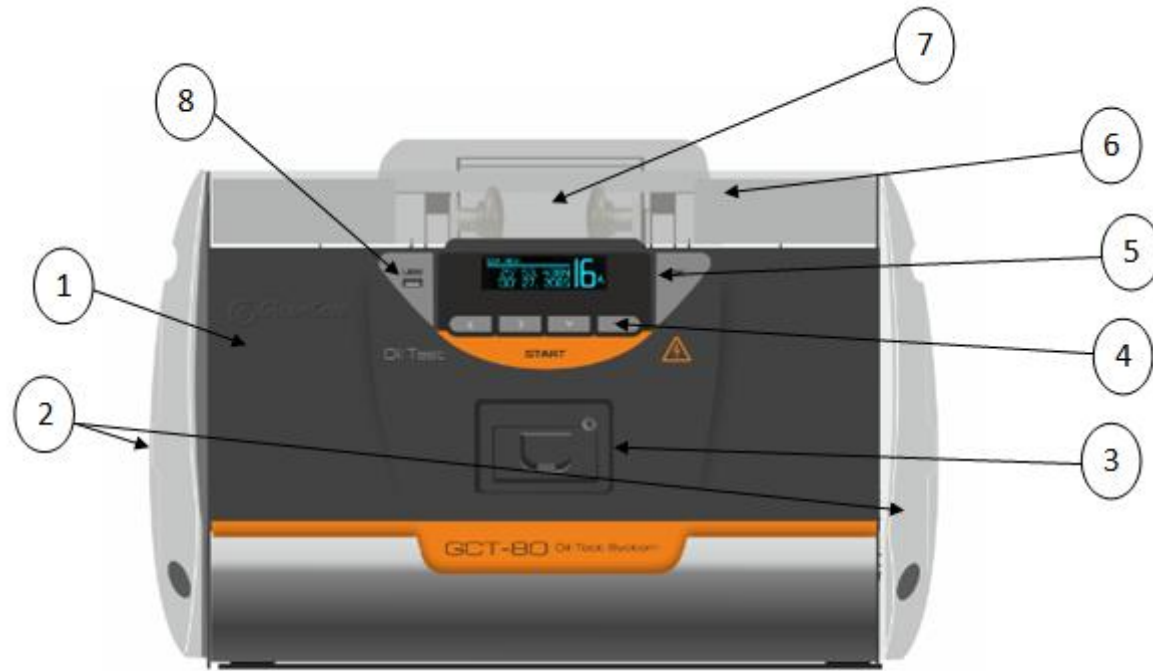
Possibility of automatic saving of measurement results on a computer.

Availability and flexibility of settings of technical and metrological parameters using special software.

Comparison of the main characteristics of TOR by GlobeCore with the best world brands.

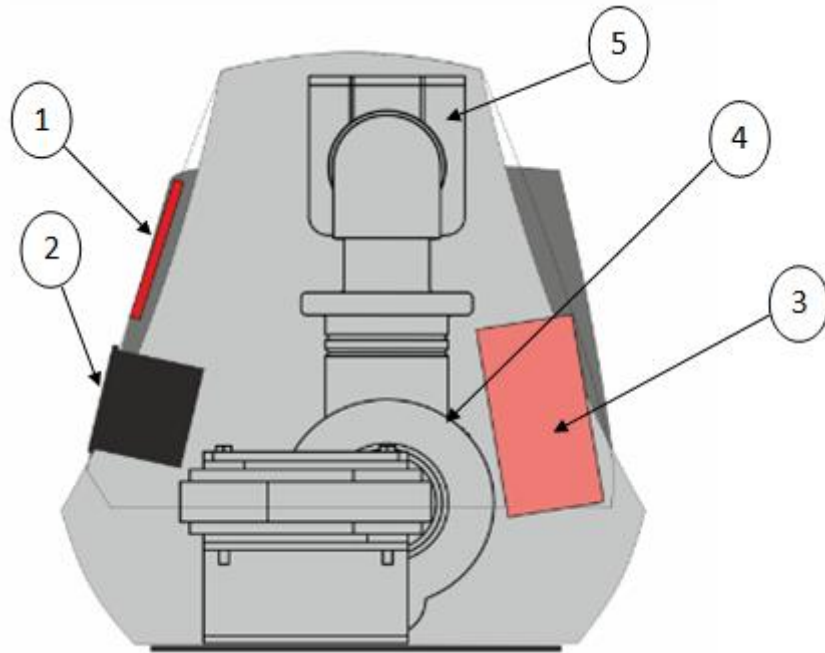
Parameter	TOR-80	Other Brands
Maximum output voltage U_{out} .	80 kV.	80 kV.
Error U_{out} .	$\pm 1\%$	$\pm 1\%$
Slew rate U_{out} .	0,1 – 5 kV/s	0,1 – 5 ; 0,5 – 10 kV/s
Display Resolution U_{out} .	0,1 kV	0,1 kV
Disconnection time U_{out} . After breakdown	4 μ s	5 μ s
Temperature measuring range	0 – 100 °C	0 – 100 °C
Temperature resolution	1 °C	1 °C

TOR-80 design

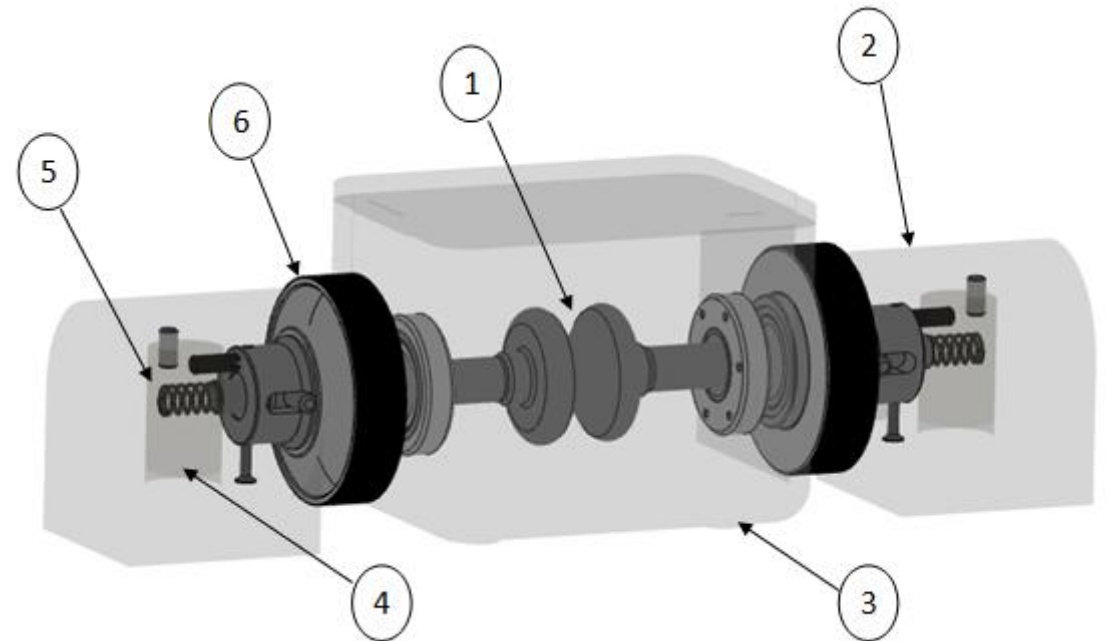
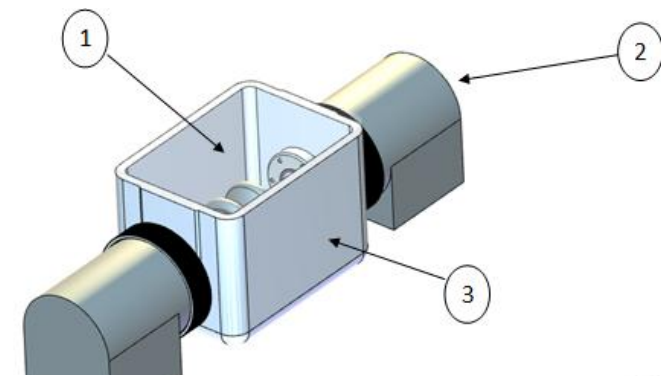


Components: 1-Front panel, 2-Side panels, 3-Printer, 4-keyboard, 5-Display, 6-Top cover, 7-Measure cell, installed under top cover, 8-USB port, 9-Handles for carrying the installation.

TOR-80 consists of:



1. Display and keyboard module
2. Printer
3. Electronics Modules
4. High voltage transformer
5. Measuring cell



1. High voltage cell electrodes
2. The body of the electrode with current-carrying parts
3. The cup of the cell
4. High voltage supply contacts
5. Conductive parts of supports
6. Adjusting nuts