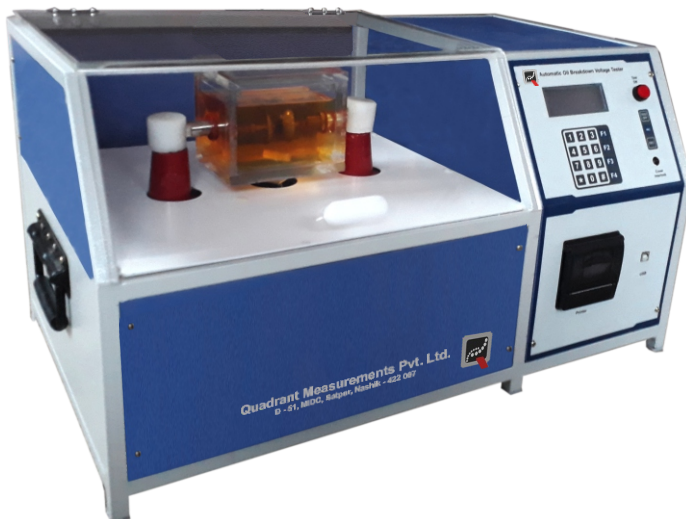


AUTOMATIC OIL INSULATION TEST SET

QOITS-100A / 80A / 60A



FEATURES:

- Compact and lightweight
- Auto operation mode
- Fully automatic operation
- Fully compatible with IEC 60156
- Preloaded testing programs for different standards
- Built-in printer
- PC connectivity
- 250 Internal test data storage
- Precise voltage measurement
- True sine high-voltage on electrodes
- Indicator HT ON/OFF, All safety Interlock incorporated, Zero Start, HT Chamber interlock

QOITS-A is tested for testing dielectric liquids with their breakdown voltage measuring. it work micro controller based Automatic operation, according with selected standard, which are preloaded.

TECHNICAL SPECIFICATIONS

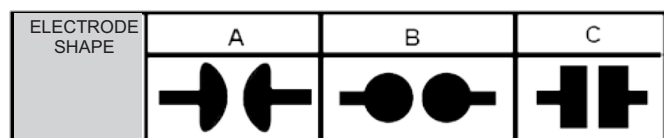
Output Voltage : 0-100KV AC
Accuracy : $\pm 1\%$ of FSD ± 2 digit
Resolution : 0.1KV
Display : 20 x 4 backlit LCD
Tripping Time : less than 10 micro-seconds
Power Supply : 230VAC, 50Hz, Single Phase
Controls : HT ON, HT OFF, Increase, Decrease,
Oil Cell : Transparent polycarbonate molded
Printer : Thermal Printer
Memory : 250 results
Weight : 40Kg approx

SCOPE OF SUPPLY

- Oil BDV
- Oil Test Cell with electrodes
- Go-No-Go gauge
- Mains cord
- User / Instruction manual
- Lifting Stick

TEST VESSEL

- Made of Methyl Methacrylate (Acrylic)
- Volume 300/400ml approx
- Mushroom electrodes as per IS:6792, IEC 156 and 3 Custom Modes.



QUADRANT

MEASUREMENTS Pvt. Ltd.

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Web site : www.quadrantmeasurements.com

Simplified Measurements Solutions



A-Series OLT-80A, OLT-90A, OLT-100A



M-Series OLT-80M, OLT-90M, OLT-100M

► Application

OLT testers are used for testing dielectric liquids with their breakdown voltage measuring. A-series of OLT tester works automatically, according with selected standard, which are preloaded.

► Description

Both A and M series of OLT testers bring out accurate and repeatable results of measured breakdown voltage. Fast high-voltage switch of time makes it possible to carry out test of dielectric liquids, which are easily destroyed under such influences.

The internal design of OLT testers combined with a use of automatic high voltage breakers, cutting of supply voltage if tester's lid has been opened during the test, provide operator with high level of safety.

Testers are fully equipped and are ready for operation right after unpacking. They come with a test vessel (IEC 60156 – basic configuration) with VDE 0370 mushroom-shape electrodes. A gap between electrodes is easily regulated with a use of pass-no pass gauge, which comes in pack.

A-series provides with fully automatic test procedure according to selected standard (basically IEC 60156 and GOST 6581 settings are preloaded). It has a built-in printer which is able to print a test report after procedure is done. Test results are saved into non-volatile memory of OLT tester. A PC-connectivity makes it easy to collect data from OLT tester, save and store them as well as print a fulfilled report. Test voltage is being measured directly between electrodes. This fact combined with a true sine voltage shape (independent from supply voltage shape), increases repeatability and accuracy of measurements.

M-series provides operator with ultra-simplicity of operation. It doesn't require any presets. All you need is pressing start button after a test vessel is loaded. Tester will show a breakdown voltage result immediately after a breakdown occurs.

Test vessel for this series goes with magnetic stirrer, which stirs a liquid between two measurements.

► Safety and EMC compliance

Designed in accordance with IEC 61010 safety requirements.

Meets light industrial IEC 61326-1 Class B, CISPR 16-1, CISPR 16-2 and CISPR 22.

Technical specifications

| Parameter | A-Series | M-Series |
|--|---|-----------------|
| Output AC voltage (symmetrical), OLT-80/OLT-90/OLT-100 V rms | 80/90/100 | |
| Voltage resolution, kV | 0.1 | |
| Measurement uncertainty | 3 % of reading | 3 % of FS |
| Output voltage rise rate, kV/s | 2 ± 0.2 – basic (changes according to selected standard) | 2 ± 0.2 |
| Switch-of time on breakdown, µs | < 5 | |
| Temperature measuring range, °C | 5.0 – 50.0 | N/A |
| Programmed test sequences | IEC 60156 (BS EN 60156, CEI EN 60156, NF EN 60156, UNE EN 60156, SABS EN 60156, PA SEV EN 60156) GOST 6581, ASTM D877 & ASTM D1816 (optional) | N/A |
| Electrodes | "mushroom" type IEC 60156 – basic; ASTM D877, ASTM D1816 (optional) | |
| Test vessel | IEC 60156, 400 ml, 1.0 kg | |
| Go/No-Go gauge width, mm | 2.45 / 2.55 – basic; 1, 2, 2.5, 4 (optional) | |
| Display resolution | 128 × 64 dot matrix, monochrome | |
| Interface languages | English, Russian, Turkish | N/A |
| Printer | thermal line, 8 dots/mm, 384 dots/line | N/A |
| Memory for results, cells | 512 | N/A |
| PC connectivity | USB B-type | N/A |
| Input voltage, V | 230 ± 10% (basic), 110/120 – on request | 230 ± 10% |
| Line frequency, Hz | 50/ 60 ± 1 | 50 ± 1 |
| Power consump. OLT-80/OLT-90/OLT-100, VA, max | 100/120/140 | |
| OLT-80 dimensions (W × H × D), mm | 461 × 280 × 271 | 461 × 280 × 271 |
| OLT-90 dimensions (W × H × D), mm | 420 × 300 × 320 | 420 × 300 × 320 |
| OLT-100 dimensions (W × H × D), mm | 530 × 315 × 320 | 530 × 315 × 320 |
| Net weight OLT-80/OLT-90/OLT-100, kg | 21/25/30 | 23/27/32 |

KEP reserves right to make changes into specifications

Operating Conditions



| Parameter | Storage and transportation | Operating |
|--|----------------------------|--------------|
| Ambient temperature, °C | + 5 ... + 60 | + 10... + 55 |
| Relative humidity at 25°C, %, max (non-condensing) | 80 | |
| Atmospheric pressure, mm Hg | 630– 800 | |

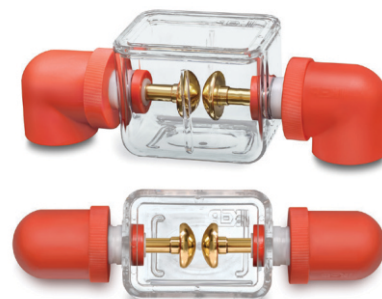
OLT oil testers

high voltage
testing equipment

► Contents

| Component | Quantity | |
|--|----------|----------|
| | A-series | M-series |
| OLT oil tester | 1 | 1 |
| Test vessel* IEC 60156 with electrodes and cover | 1 | 1 |
| Go/No-Go gauge | 1 | 1 |
| Magnetic stirrer | 1 | N/A |
| Lifting stick for magnetic stirrer | 1 | N/A |
| USB cable (A-B type) | 1 | N/A |
| Power cord (C-type plug.) | 1 | 1 |
| Grounding cable | 1 | 1 |
| Software on USB fash-drive | 1 | N/A |
| Fuses (250V/3A) | 2 | 2 |
| Paper roll (inside the printer) | 1 | N/A |
| User's manual | 1 | 1 |
| ISO/IEC 17025 calibration certficate (optional, on Customer's request) | 1 | 1 |
| C-80 (C-100) calibration kit (optional) | 1 | 1 |

* - Additional test vessels are available on request



Test vessel



Stirrer



A-Series built-in printer



Grounding cable



USB cable



Power cord



Go/No-Go gauge



Lifting stick

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