



# RCC Electronics Ltd.

## Product Overview

### BAUR Transformer Oil Testers

Insulating Oil Testing | Oil Breakdown Voltage | Oil Tan Delta & Resistivity

#### DPA 75 C

BAUR Transformer Oil Breakdown Voltage Tester

ensuring the flow



Part number 415+046

#### The Standard for Oil Testing

- Fully automatic testing of the breakdown strength in compliance with international and national standards
- Suitable for mineral or silicone oils and ester liquids
- Reliable, reproducible measurement results using the latest measurement technology
- Designed for mobile use on site as well as for daily continuous operation in laboratories

#### Features

- Test voltages up to 75 kVrms
- Reliable, reproducible measurement results across multiple measurements thanks to short switch-off time <math>< 10 \mu\text{s}</math>
- Clear breakdown detection by means of very precise measurement principle performed directly in the HV unit and RBM technology
- Fully automatic test sequences for 19 common test standards around the globe and spot tests
- Easy creation of user-specific test sequences
- Built-in sensor for measuring the temperature of the insulating liquid
- Precise adjustment of standard electrode distances
- Automatic self-test with HV output voltage test each time you start
- EMC screen for preventing damage to electronic devices nearby
- Comprehensive safety concept, incl. high voltage shutdown through hood contacts
- User interface available in 14 languages
- Ergonomic operating unit with oil-proof membrane keypad, easy to read LC colour display and integrated printer
- Operation by:
  - Mains voltage
  - External power supply via 12 V connection especially for automobile battery
  - Integrated rechargeable battery

#### Comes with one of:



Test vessel acc. to IEC 60156 Fig. I



Test vessel acc. to IEC 60156 Fig. II



Test vessel acc. to ASTM D877



Test vessel acc. to ASTM D1816

# DTA 100 C

## BAUR Transformer Oil Breakdown Voltage Tester



ensuring the flow



Part number 415+043

### The Standard for Oil Testing in the Laboratory

- Fully automatic testing of the breakdown strength in compliance with international and national standards
- Suitable for mineral or silicone oils and ester liquids
- Reliable, reproducible measurement results using the latest measurement technology
- Designed for daily continuous operation in laboratories

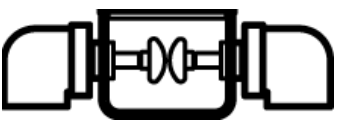
### Features

- Test voltages of 0 to 100 kVrms
- Reliable, reproducible measurement results across multiple measurements thanks to short switch-off time < 10 μs
- Clear breakdown detection by means of very precise measurement principle performed directly in the HV part and RBM technology
- Fully automatic test sequences for 19 common test standards around the globe and spot tests
- Easy creation of user-specific test sequences
- Built-in sensor for measuring the temperature of the insulating liquid
- Precise adjustment of standard electrode distances
- Automatic self-test with HV output voltage test each time you start
- EMC screen for preventing damage to electronic devices nearby
- Comprehensive safety concept, incl. high voltage shutdown through hood contacts
- User interface available in 14 languages
- Illuminated test vessel
- Ergonomic operating unit with oil-proof membrane keyboard, easy to read LCD colour display and integrated printer
- Automatic reading of measurement results and creation of measurement logs in PDF format or as text file with BAUR oil tester data management software ITS Lite\*
  - Management of measurement results for multiple oil testers possible
  - Customized layout measurement for logs

### Comes with one of:



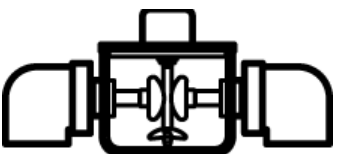
Test vessel acc. to IEC 60156 Fig. I



Test vessel acc. to IEC 60156 Fig. II



Test vessel acc. to ASTM D877



Test vessel acc. to ASTM D1816

## DTL C

### BAUR Transformer Oil Tan Delta and Resistivity Tester



Part number 415+044

#### Precise analyses, extensive diagnoses, maximum efficiency

- Fully automatic dissipation factor measurement
- Pre-programmed standards
- Maximum accuracy

#### Features

- Dissipation factor measurement from 4.0 to  $1 \times 10^{-6}$
- Measurement of the specific resistance with both polarities up to 100 TΩm
- Measurement of the relative permittivity  $\epsilon_r$
- Highly precise induction heating of the cell with accurate temperature control
- Functional design for high efficiency, user-friendliness and safety in case of minimum space requirement
- Test cell with protective ring electrode, three electrodes and quartz glass rings
- Test cell according to IEC 60247 Fig. 3
- Calibration of the empty cell
- Emptying of the test cell possible without disassembly (automatic/manual)
- Direct temperature measurement by placing the sensor in the measurement electrodes
- Fully automatic measuring sequences from 12 pre-programmed test standards and 10 user-programmable test sequences
- Multilingual user interface
- Ergonomic operating unit with oil-proof membrane keyboard, easy-to-read colour LCD display and integrated printer
- Efficient measuring data management with BAUR Software ITS Lite\*



RCC Electronics Ltd., is the sole Canadian distributor for BAUR GmbH. BAUR GmbH specializes in Transformer Oil Testing, Cable Fault Locating, Cable Testing and Diagnostics, and Cable Testing Vans.



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