



OilLab 760 Copper Corrosion of Electric Vehicle Fluids



Automatic Instrument for EV Fluids

Determination by Corrosion of Copper Wire

- Bench top instrument compact and solid structure painted with anti-epoxy products.
- Two independent test position.
- Two independent dry bath block whit magnetic stirrer drive.
- Two temperature probes one for each bath.
- Heating range up to 200°C +/-0.25°C.
- Safety thermostat and warning lamp.
- Independent heating elements for the baths.
- Automatic up down elevating system for short evaluation time of the sample cells during the test; Start / Stop test.
- 2 x 800 ml sample beaker.
- Cover and glass beaker support made of high temperature resistant material.
- 4 coupon of copper wires 2 x total immersion +2 x vapours exposition evaluation (0,05 and 0,5mm diameter); optional coupon for PCB testing available upon request.
- 2 x sample temperature probes with temperature range from 0 ... 250°C.
- Real time software able to produce Arrhenius graph on the external connected PC.

Software include

- Analysis menu with Sample Name and Number
- Operator and Methods / Parameters
- Calibration tool
- Diagnostic menu and result browser
- Generated files on Excel format

DC electric current excitation range

- 0...10,0 mA

Accuracy

- 0,1 mA

Precision

- 0,001mA

Least count

- 2 decimal

Resistance range

- 0 to 1 Kohm

Precision

- 0,05 ohm

Accuracy

- 0,1 ohm

Least count

- 2 decimal

Test timer

- Up to 250 hours continuous

Settable process parameters

- Sample temperature from 50 to 180°C
- Time from 0 up to 250 hours
- Current 0 to 10mA

Power consumption

- 2000 Watt

Power Supply

- 220 or 115 Vac
- Single phase
- 50/60 Hz

Spare Parts

- LAB-760- 005: copper wire diameter 0.05 mm, pack of 500 gr
- Lab-760-050: copper wire diameter 0.50 mm, pack of 500 gr
- LAB-760-105: support for copper wire
- LAB-760-800: 800 ml glass beaker
- LAB-760/008-12: PT100 sample
- LAB-xxx/005-06: PT100 bath
- LAB-xxx/007-02: static relay
- LAB-xxx/007-04: PCB fuse 1.6 A, box of 10 pcs.