

# Oxidation Stability of Mineral Insulating Oils

## test method

Determines oxidation stability of mineral transformer oils by measuring the amount of sludge and acid formed under prescribed accelerated aging conditions.

## oxidation stability bath

- Conforms to ASTM D2440 specifications
- Digitally controlled temperature control with overtemperature cut-off
- Six-sample testing capacity

Constant temperature oil bath for testing oxidation stability of mineral insulating oils. Immerses six oil receptacles at the required depth per ASTM specifications at  $110^{\circ}\text{C} \pm 0.5^{\circ}\text{C}$ , and controls oxygen flow to each sample at the rate of  $1\text{L/h} \pm 0.1\text{L/h}$  through six independent flowmeters mounted on a common manifold. Insulated double-wall stainless steel bath has microprocessor temperature control with  $^{\circ}\text{C}/^{\circ}\text{F}$  switchable digital setpoint and display. Operator and equipment are protected by an overtemperature control circuit which automatically interrupts power to the unit when bath temperature exceeds a programmed cut-off point. Order bath thermometer drying tower and catalyst separately.



K64100 Oxidation Stability Bath

## specifications

Conforms to the specifications of: ASTM D2440  
Testing Capacity: Six (6) samples  
Maximum Temperature:  $230^{\circ}\text{F}$  ( $110^{\circ}\text{C}$ )  
Temperature Control Stability:  $\pm 0.09^{\circ}\text{F}$  ( $\pm 0.05^{\circ}\text{C}$ )  
Heater: 1000W  
Bath Medium: 7.2 gal (27.2L) white technical oil

### Electrical Requirements:

115V 60Hz, Single Phase, 10A  
220-240V 50/60Hz, Single Phase, 5A

### Dimensions l x w x h, in.(cm.)

22x21.3x21.5 (55.9x54.1x54.6)

## ordering information

catalog no.	description
K64100	Oxidation Stability Precision Bath, 115V 60Hz
K64190	Oxidation Stability Precision Bath, 220-240V 50/60Hz

### accessories

K12130	Copper Catalyst Coils
332-005-011	Glass Filter Crucible
250-000-95C	ASTM 95C Thermometer
355-001-001	White Technical Oil, 1 gal container
355-001-003	White Technical Oil, 5 gal container

