

CIGRE OXIDATION DRY BATHS for OXIDATION STABILITY of MINERAL OILS

- Aluminum Block Bath or Individual Heated Tube Baths
- Conforming to IP 48, 280, 306, 307, 331, and 335
- Precision Control Valve Flowmeters
- Temperature Range +50° to +250°C
- Temperature Stability of $\pm 0.2^{\circ}\text{C}$

Model 367-12 is a bench top model with a circular solid aluminum block bath with 12 test positions arranged in a circle. Model 367-12 conforms to IP 48, 280, 306, 307, 331, and 335 test methods. The single digital controller provides temperature control of $\pm 0.2^{\circ}\text{C}$ and position to position temperature uniformity of $\pm 0.2^{\circ}\text{C}$. Temperature range is from +50° to +250°C.

Each test position accepts the associated absorption tube in its own support attached to the top. Twelve float in tube flowmeters are provided mounted on a support rack. A central post holding gas flow tubes simplifies the management of the tubes. With the standard model the air flow is controlled with a precision valve at 1 ± 0.1 L/hr to each position. For IP 48 the air flow is controlled at 15 ± 0.25 L/hr. Please specify if the bath is for IP 48 test method. A gas pressure regulator is provided to adjust the inlet gas pressure to the flowmeters. An over temperature control circuit is provided to prevent over temperature conditions in the event of primary controller failure.

Model 367-4 is similar to Model 367-12 but with only 4 test positions.



▲ Model 367-4

Also for Methods:

IP	48, 280, 306, 307, 331, 335
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▲ Model 367-12

Model HT-101-20 heated tube has 20 test positions conforming to IP 48, 280, 306, 307, 331, and 335 test methods. Each heated tube is of proper dimension to snugly fit the test tube. Each test position is individually temperature controlled with an indicating digital PID controller. Temperature stability of each position is $\pm 0.1^{\circ}\text{C}$. Temperature range is from +50° to +300°C. Each tube's temperature may be independently adjusted so as to assure identical sample temperature in each test position.

Model HT-101-20 has further flexibility allowing each test position to be at widely different temperatures. Each position has a over temperature cut off circuit in the event of primary controller failure. See page 42 for additional description of this design concept.

Each position has a float in tube flowmeter with a precision control valve for delivering gas to the test specimen at 1 ± 0.1 L/hr to each position. For IP 48 the air flow is controlled at 15 ± 0.25 L/hr. Please specify if the bath is for IP 48 test method.