

BATTERY TEST CHAMBERS

Series LIT MK | with safety equipment for rapid temperature changes



Model LIT MK 720

FEATURES:

- Safety thanks to extensive protective measures
- Homogeneous climate conditions thanks to APT.line™ preheating chamber
- Extensive programming and data collection
- Excellent overview of the test object thanks to large heated viewing window
- Temperature range: -40 °C to +110 °C
- Class 2 independent temperature safety device when temperature is set to +120 °C
- Reversible stainless steel pressure relief flap installed in the middle on top of the unit

Sizes 228 L, 734 L

Advantages at a glance



EVEN TEMPERATURE DISTRIBUTION



OCCUPATIONAL SAFETY



PROGRAMMING AND DATA
COLLECTION



EASY ASSEMBLY

Aging tests

These involve testing at a certain temperature without the battery load cycle. They are performed within a safe temperature range 1 for the battery. BINDER solution: package A

Performance tests

Various battery-specific parameters, such as the load state, are tested with overlapping temperature ranges. These tests are performed within a safe temperature range for the battery. BINDER solution: package P

Stress tests

Various battery-specific parameters, such as the load state, are tested with overlapping temperature ranges. These tests are performed at the limit of the safe temperature range for the battery. This category also includes tests with higher charging and discharging currents overlapping with constant or dynamic temperatures. BINDER solution: package S

TECHNICAL DATA

Description	LIT MK 240	LIT MK 720
Dimensions		
Interior volume [L]	228	734
Net weight of the unit (empty) [kg]	375	584
Permitted load [kg]	70	160
Permitted load of individual shelf [kg]	30	40
Wall clearance, rear [mm]	300	300
Wall clearance, side [mm]	200	200
Interior dimensions		
Width [mm]	735	1200
Height [mm]	700	1020
Depth [mm]	443	600
Housing dimensions not incl. fittings and connections		
Net width [mm]	1335	1794
Net height [mm]	1929	2005
Net depth [mm]	925	1186
Technical data: temperature		
Temperature range [°C]	-40...110	-40...110
Temperature uniformity dependent on set value [± K]	0.1...1.2	0.3...2
Temperature fluctuation dependent on set value [± K]	0.1...0.5	0.1...0.5
Average heating-up rate acc. to IEC 60068-3-5 [K/min]	5	4
Average cooling down rate acc. to IEC 60068-3-5 [K/min]	3.5	3.4
Electrical data		
Nominal power (400 V version) [kW]	5.6	8.7
Nominal power (480 V version) [kW]	5.6	8.7
Fixtures		
Number of shelves (std./max.)	1/6	1/11

EXCERPT FROM OPTIONS AND ACCESSORIES

Electromechanical door-locking mechanism

Controlled via control contact in time program or manually



Access port with silicone plug

For inserting external measuring devices. Large selection of different diameters and positions



Notch-type access port

notch-type access port in door, 100 x 35 mm



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