Humidity chamber “TKA-KVL-03”



Main technical characteristics

Range of variation and maintenance of relative air humidity for a rectangular working chamber (volume 8.3 *liters*)	from 4 to 96%
Limits * of the permissible basic absolute error of measuring relative humidity at a temperature of 22 ± 3 ^{0}C – for a rectangular working chamber (volume 8.3 *liters*)	± 1.5 (2.0)% rel. ow.
Limits * of the permissible additional absolute error in measuring the relative humidity when the ambient temperature changes from normal (22 ± 3 ^{0}C) in the range from 10 to 35 ^{0}C , for every 10 ^{0}C temperature change – for a rectangular working chamber (volume 8.3 liters)	± 1.5 (2.0)% rel. ow.
Discreteness of setting the levels of relative humidity (from an external humidity generator of the TKA-GVL-01 type)	1.0%
Accuracy of maintaining the set humidity level (not worse)	2.0%

Operating conditions of the camera: Ambient temperature – normal operating conditions – operating temperature range Relative air humidity at a temperature of 25 ^{0} C (no more)	22 ± 3 ^{0} S 10… 35 ^{0} S 95%
Camera Power, Single Phase AC	220 V, 50 Hz
Power consumption (no more)	10 watts
Overall dimensions (WxHxD) (no more)	570x440x360 mm
Internal dimensions of the working chamber (WxHxD) (no more)	161x260x200 mm
Weight (no more)	15 Kg

Note *: an *error of 1.5% – when using an exemplary thermo-hygrometer of the Rotronic Hygropalm type mod. HP-22A as a control; error of 2.0% – when using the TKA-KVLT thermohygrometer built into the chamber.*

Device advantages

- The ability to conduct temperature and humidity studies of devices in wide ranges of temperature and relative humidity.
- Long service life.
- Manufacturer support.