Thermohygrometer “TKA-PKM” (23)



Main technical characteristics

Measurement range of **relative humidity**	5 ÷ 98%
Limits of the basic absolute error of relative humidity measurements in the range from +15 to +25 ° C	± 3.0% rel. ow.
Limits of permissible additional absolute error of relative humidity measurements when the air temperature changes by every 10 ° C in the range from -30 to +15 and over + 25 to +60 ° C	± 3.0% rel. ow.
Air temperature measurement range	from -30 to +60 ° C

Limits of the basic absolute error of temperature measurements in the range from +15 to +25 ° C	± 0.2 ° C
Limits of additional absolute error of air temperature measurements at air temperature, ° C from -30 to -10 inclusive above -10 to +15 inclusive above +25 to +45 inclusive above +45 to +60	 ± 0.3 ° C ± 0.1 ° C ± 0.1 ° C ± 0.3 ° C
The dew point is determined in accordance within	from -55 to +60 ° C
Wet bulb temperature is calculated according to the analytical formula obtained by statistical processing of Psychrometric Tables, within	from -10 to +60 ° C
Memory size, measurements	262,144
Memory recording intervals	10 s / 30 s / 60 s / 5 min / 15 min / 30 min / 1 h / 5 h / 10 h / 24 h

dimensions

Overall dimensions of the device: – signal processing unit – measuring probe	 (135 x 70 x 25) mm (138 x 15 x 15) mm
Device weight (no more)	0.25 kg
Two batteries – AA battery size	3.0V

Benefits

Increased speed, improved performance, high-precision and stable temperature sensor, low power consumption, affordable price.
Equipping the device with a computer interface Thermohygrometer “TKA-PKM” (23) allows: to expand the capabilities of the device without prejudice to the time of information acquisition;