# Thermohygrometer “TKA-PKM” (23)

**Main technical characteristics**

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| 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 |

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| 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<br>from -30 to -10 inclusive<br>above -10 to +15 inclusive<br>above +25 to +45 inclusive<br>above +45 to +60 | <br>± 0.3 ° C<br>± 0.1 ° C<br>± 0.1 ° C<br>± 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**

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| Overall dimensions of the device:<br>– signal processing unit<br>– measuring probe | <br>(135 x 70 x 25) mm<br>(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;