[Anemometer + Thermohygrometer "TKA-PKM" (60) with verification](#)

Main technical characteristics

Air velocity measurement range	0.1 ÷ 20 m / s
Basic absolute error of air velocity measurements (V):	
— in the range (0.1 ÷ 1.0) m / s	± (0.045 + 0.05 V) m / s
— in the range (> 1.0 ÷ 20) m / s	± (0.1 + 0.05 V) m / s

The limits of the admissible additional absolute error of the 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, in fractions of the limits of the permissible basic absolute error	± 1.0
Air temperature measurement range	from -30 to +60 ° C
Limits of the basic absolute error of air temperature measurements at air temperatures 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
Measurement range of **relative humidity**	5 ÷ 98%
Limits of the basic absolute error of relative humidity measurements at air temperatures 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.

Dimensions

Signal processing unit	(205 x 65 x 28) mm
Measuring head	(375 x Ø22) mm

Device weight (no more)	0.35 kg
To power the devices is used	3.0V

Benefits

An additional measurement channel (relative humidity) expands the operational capabilities of the hot-wire anemometer. High sensitivity. High reliability and non-criticality to the characteristics of controlled flows. Multifunctionality of the anemometer.
Equipping the USB interface allows you to: expand the capabilities of the device without prejudice to the time of information retrieval, abandon paper media while reading the microclimate parameters.
In the instrument settings menu Anemometer + Thermohygrometer "TKA-PKM" (60) you can:

- enable / disable the automatic device shutdown,
- select the unit of measurement for the volumetric flow rate (l / s or m ^{3} / h),
- set the cross-sectional area of ⬚⬚the flow.

- Nine data cells are organized in the memory of the device. One cell stores the values of air velocity and volumetric flow rate, as well as time stamps to the stored data.