Anemometer “TKA-PKM” (50)

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

Grenzen der zulässigen zusätzlichen absoluten Luftgeschwindigkeitsmessfehler bei Temperaturänderung alle 10 °C in den Bereichen von -30 bis +15 ° C und St. +25 bis +60 °C, in Bruchteilen der Grenzen der zulässigen Basis Absoluter Fehler	± 1.0

The device Anemometer “TKA-PKM” (50) implements the option of measuring the air velocity averaged over a certain period of time (100 s) (in accordance with the recommendations to SanPiN, see, for example, the Manual “Physical factors. Ecological and hygienic assessment and control “. M.” Medicine “, 1999, vol.2., P. 416).

Dimensions

Signal processing unit	(205 x 65 x 28) mm
Measuring head	(375 x Ø22) mm
Probe: diameter max diameter min length	 14 mm 10 mm 270 mm

Device weight (no more)	0.35 kg
Two (four) AA batteries	3.0V

Benefits

Compactness and ease of use. Possibility of communication with a PC. High sensitivity. High reliability and non-criticality to the characteristics of controlled flows. Multifunctionality of the anemometer.
In the instrument settings menu Anemometer “TKA-PKM” (50) 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.

When checking industrial premises, public institutions (schools, hospitals, cultural and educational halls), research centers, one of the measured parameters is the speed of air flows. It is determined to check heating and ventilation systems, as well as in laboratory conditions, and this requires an anemometer, which can be bought in specialized stores. Anemometer “TKA-PKM” (50) is suitable for measuring air velocity in rooms. The device Anemometer “TKA-PKM” (50) has a number of advantages:

- The design was created using the most modern equipment, and the indicators given by the device correspond to reality with a minimum error.
- 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.

- The device can be connected directly to a computer.
- The price of an anemometer is very low, and its purchase will bring not only benefits, but also benefits!