Measuring instrument-recorder of microclimate parameters “TKA-PKL” (29)-D with verification

Main technical characteristics

Measurement range of relative humidity	5 ÷ 98% rel. ow.
Air temperature measurement range	from -30 to +60 ° C
Measurement range of atmospheric pressure	from 70 to 120 kPa
Limits of permissible basic absolute error of relative humidity measurements	± 3.0% rel. ow.
Limits of the additional absolute error in measuring the relative humidity when the temperature changes by every 10 ° C in the range from 0 to + 60 ° C	± 1.5% rel. ow.

Limits of permissible absolute error of air temperature measurement , in the ranges:from -30 to -10 ° C incl. St. -10 to + 15 ° C incl. St. +15 to + 25 ° C incl. St. +25 to + 45 ° C incl. St. +45 to + 60 ° C	± 0.5 ° C ± 0.3 ° C ± 0.2 ° C ± 0.3 ° C ± 0.5 ° C
Limits of permissible absolute error of atmospheric pressure measurements at temperatures: from -30 to + 5 ° C incl. St. +5 to + 60 ° C	± 0.4 kPa ± 0.2 kPa
Memory size, not less	524,000 measurements
Communication interface	USB, WiFi
Wi-Fi transmission intervals	1 min ÷ 24 h
Supply voltage	3.2V (non-removable battery)
Overall dimensions of the device (no more)	(142 x 37 x 38) mm
Weight (no more)	130 g
Life time	7 years
MTBF, not less	10,000 h

Substantial benefits

- Internal memory for storing more than 524,000 measurement results in three channels;
- Universal mount that allows you to install the device on almost any surface;
- The power of the WiFi transmitter is not underestimated for the sake of power consumption, which ensures confident reception of information in difficult conditions and allows you to save on additional equipment when building a measurement and information network.

Type approval certificate SI, RF until 10.22.2024
Instruction for the program TKA NET Monitor v1.1 (*. Pdf)
Instruction for the program TKA USB Configurator v1.1 (* .pdf)
Instruction for the program TKA USB Monitor v1.1 (* .pdf)
Program “TKA HPO Analyzer v1.1” required for verification (* .zip)