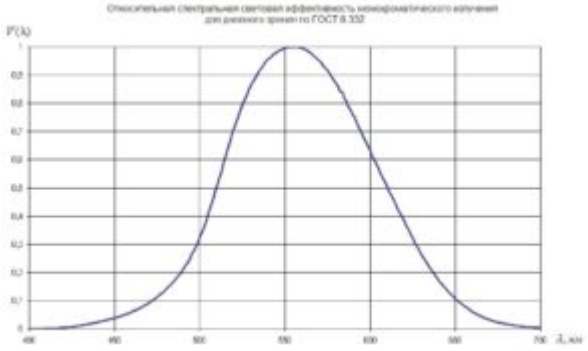
Thermohygrometer + Luxmeter + UV-radiometer “TKA-PKM” (42) with verification

Main technical characteristics

Illumination measurement range	10 ÷ 200,000 lx
Limits of the basic relative error of illumination measurements in the visible spectral range (380 ÷ 760) nm	± 8.0%
Measurement range of **irradiance** in the spectral range **UV-(A + B)** (280 ÷ 400) nm	10 ÷ 60,000 mW / m²

Limits of permissible basic relative error of irradiance measurements	± 10.0%
Air temperature measurement range	-30 ÷ +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
Measurement range of **relative air humidity**	5 ÷ 98%
Limits of the basic absolute error of measurements of relative humidity 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.
The limits of the additional relative error of the device when measuring optical quantities, due to a change in the sensitivity of the photometric head when the air temperature in the measurement zone changes for every 10 ° C in the range from -30 to +15 and over + 25 to +60 ° C	± 3.0%

The difference in the function of the relative spectral sensitivity of the photodetector of the Luxmeter is corrected by a system of light filters to match the function of the relative spectral luminous efficiency of monochromatic radiation for daytime vision V (λ) according to GOST 8.332.



The effective reference plane of the Luxmeter coincides with the front plane of the cosine attachment of the photodetector.

dimensions

– signal processing unit (no more)	130 x 70 x 30 mm
– photometric head with a probe (no more)	230 x 48 x 55 mm
Device weight (no more)	0.3KG
Battery – Krona battery standard size	9 in

Combination of several measurement channels in one device at once. Possibility of measuring with one non-replaceable head. Compactness and ease of use.