

# Thermohygrometer + Luxmeter + Brightness meter "TKA-ПКМ" (41) with verification

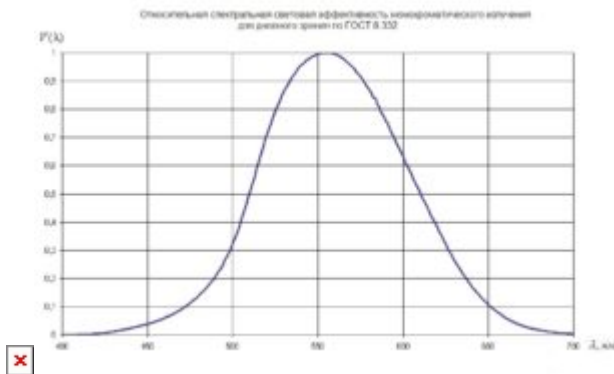


## Main technical characteristics

<b>Illumination</b> measurement range	10 ÷ 200,000 lx
Limits of the basic relative error of illumination measurements	± 8.0%
<b>Brightness</b> measurement range	10 ÷ 200,000 cd / m <sup>2</sup>

Limits of the basic relative error of brightness measurements	$\pm 10.0\%$
<b>Air temperature</b> measurement range	$-30 \div +60$ ° C
Limits of the basic absolute error of temperature measurements in the range from $+15$ to $+25$ ° C	$\pm 0.2$ ° 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 $+60$	$\pm 0.3$ ° C $\pm 0.1$ ° C $\pm 0.1$ ° C $\pm 0.3$ ° C
Measurement range of <b>relative air humidity</b>	$5 \div 98\%$
Limits of the basic absolute error of measurements of relative humidity in the range from $+15$ to $+25$ ° C	$\pm 3.0\%$ 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	$\pm 3.0\%$ 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 by every $10$ ° C in the range from $-30$ to $+15$ and over. $+25$ to $+60$ ° C	$\pm 3.0\%$

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  $V(\lambda)$  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.