

Luxmeter "TKA-LUX" with verification



Main technical data and characteristics

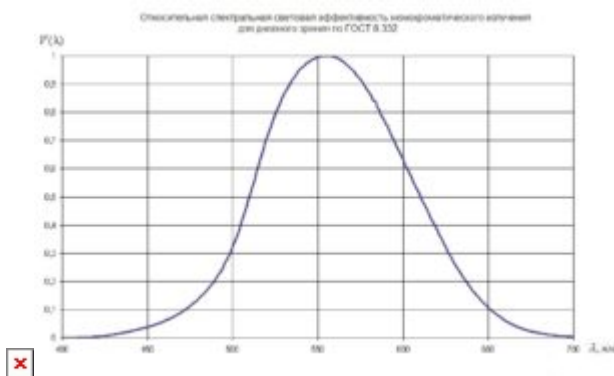
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| Illumination measurement range | 1.0 ÷ 200,000 lx |
| Limits of the basic relative error of illumination measurement | ± 6.0% |
| Including the limits of the permissible relative error caused by the nonlinearity of the sensitivity of the device | ± 2.0% |
| Including the limits of the permissible relative measurement error caused by the deviation of the relative spectral sensitivity from the relative spectral luminous efficiency | ± 4.0% |

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| Including the limits of the permissible relative error caused by the deviation of the calibration | ± 3.0% |
| — | — |
| Limits of permissible additional relative error caused by the spatial characteristic of the photometric head of the luxmeter at angles: 5 degrees 15 degrees 30 degrees 60 degrees | ± 0.5% ± 1.0% ± 5.0% ± 15.0% |
| Limits of permissible additional relative error in measuring illumination caused by a change in ambient temperature for every 10 ° C | ± 3.0% |
| Liquid crystal display | 3½ digit |

Overall dimensions of the device

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| Measuring unit (no more) | 130 x 70 x 30 mm |
| Photometric head (no more) | Ø36 x 22 mm |
| Weight of the device with a power source (no more) | 0.45 kg |
| Battery – Krona battery standard size | 9 in |

The difference in the function of the relative spectral sensitivity of the photodetector was corrected by a system of light filters to match the function of the relative spectral luminous efficiency of monochromatic radiation for daytime vision $V(\lambda)$ in accordance with GOST 8.332.



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

Significant advantages of the device Luxmeter “TKA-LUX” over analogues

The best in its characteristics domestic light meter, which is not inferior to world analogues, is reliable and easy to operate. Affordable price.