# UV-Radiometer “TKA-PKM” (12)

УФ-РАДИОМЕТР
00:00:21
УФ-А
Ee=8.41
мВт/м²
экрн
пачз
инф
"ТКА-ПКМ"(12)
ТУ 4215-003-16796024-16
2019
ГОД ВЫПУСКА
ТУ 4215-003-16796024-16
Сделано в России
зав. № 12 1003

**Main technical characteristics**

**Ranges of measurements of irradiance:**

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|---|---|
| in the UV-C spectral range (200-280 nm) | 1.0 ÷ 20,000 mW / m2 |
| in the spectral range UV-A (315 ÷ 400) nm or UV-B (280 ÷ 315) nm | 10 ÷ 60,000 mW / $m^2$ |
| Limits of permissible basic relative error of irradiance measurements | ± 10.0% |

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|---|---|
| Including nonlinearity of energy characteristics (no more) | ± 3.0% |
| Including margin of error due to the spatial response of the photometric head of the instrument in the range from 0 ° to 10 ° | ± 4.0% |
| Including limit of calibration error for UV radiation source – high or low pressure mercury lamp | ± 5.0% |
| The limits of the additional relative error of the device when measuring optical quantities, due to the 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 ° C to 15 ° C and from + 25 ° C to 60 ° C | ± 3.0% |

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|---|---|
| Energy Exposure **Indication Range** | 0.001 ÷ 5000 J / $m^2$ |

**Overall dimensions of the device**

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|---|---|
| Data processing unit (no more) | 205 x 65 x 28 mm |
| Measuring head (3 pcs) (no more) | Ø40 x 30 mm |
| Device weight (no more) | 0.54 kg |
| DC supply voltage | 1.8 ÷ 3.4V |

The use of one device for measuring radiation in three spectral ranges, compactness and ease of use.