

## Optical digital sensor “TKA-DOTS”



Measured value dynamic range	1.00 ÷ 1,000,000
Graduation error, no more	± (3.0 ÷ 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%
Dimension of the measured value depending on the type of sensor: Irradiance Illumination Brightness	mW / m <sup>2</sup> lux cd / m <sup>2</sup>

Duration of a single measurement	2 ms
Angular characteristic of the sensor sensitivity depending on the type *	
Irradiance level 1, not less	$\pm 10.0^\circ$
Illumination	cosine
Brightness level 1, not less	$\pm 12.5^\circ$
<b>Performance parameters</b>	
UART interface operating voltage	3 in
Overall dimensions of the sensor	$\varnothing 40 \times 30$ mm
Length of cable	1.2 m
Connector type	4-pin mini XLR
Weight, no more	100 g
Ambient temperature	from $-30$ to $+60^\circ \text{C}$
Relative air humidity at an ambient temperature of $+25^\circ \text{C}$	up to 98%
Atmospheric pressure range	$80 \div 110$ kPa