

# TOCON\_PTFE\_housing24V

Miniature Housing with M12x1 Thread and Plug Connector

## GENERAL FEATURES



### Properties of the TOCON\_PTFE\_housing24V

- Optional feature for all TOCON detectors
- 7–24V supply voltage
- Teflon (PTFE) M12x1 thread body, dirt-repellent, water proof at wetside (IP68)
- Wide field of view
- EMC-safe
- Integrated sensor connector (Binder 4-Pin plug)
- Comes with 2 m connector cable
- Easy to mount and to connect, cleanable

**The PTFE housing reduces the signal output by 95%.**

### Features of the integrated TOCON amplified UV photodetectors

The TOCON devices are using modern hybrid technology to reduce unwanted signal disturbances caused by moisture or electromagnetic radiation. The stable 0...4.75V output voltage can be directly connected to a SPC controller or a voltage multimeter. No amplifier is needed.

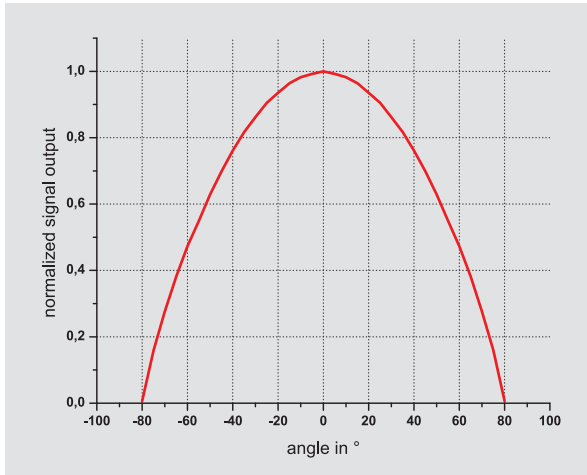
## SPECIFICATIONS

Parameter	Symbol	Value	Unit
<b>Spectral Characteristics</b>		According to applied TOCON	
<b>General Characteristics (T=25°C, V<sub>supply</sub>=+7V)</b>			
Supply Voltage	V <sub>Supply</sub>	7 ... 24	V
Max. Output Voltage (non depending on V <sub>supply</sub> )	V <sub>Out</sub>	4.75	V
Temperature Coefficient at Peak for SiC	T <sub>c</sub>	-0.3	%/K
Temperature Coefficient at Peak for GaP	T <sub>c</sub>	-0.5	%/K
Current Consumption	I <sub>max</sub>	According to applied TOCON	
<b>Maximum Ratings</b>			
Operating Temperature	T <sub>opt</sub>	-25 ... +85	°C
Storage Temperature	T <sub>stor</sub>	-40 ... +100	°C

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## FIELD OF VIEW

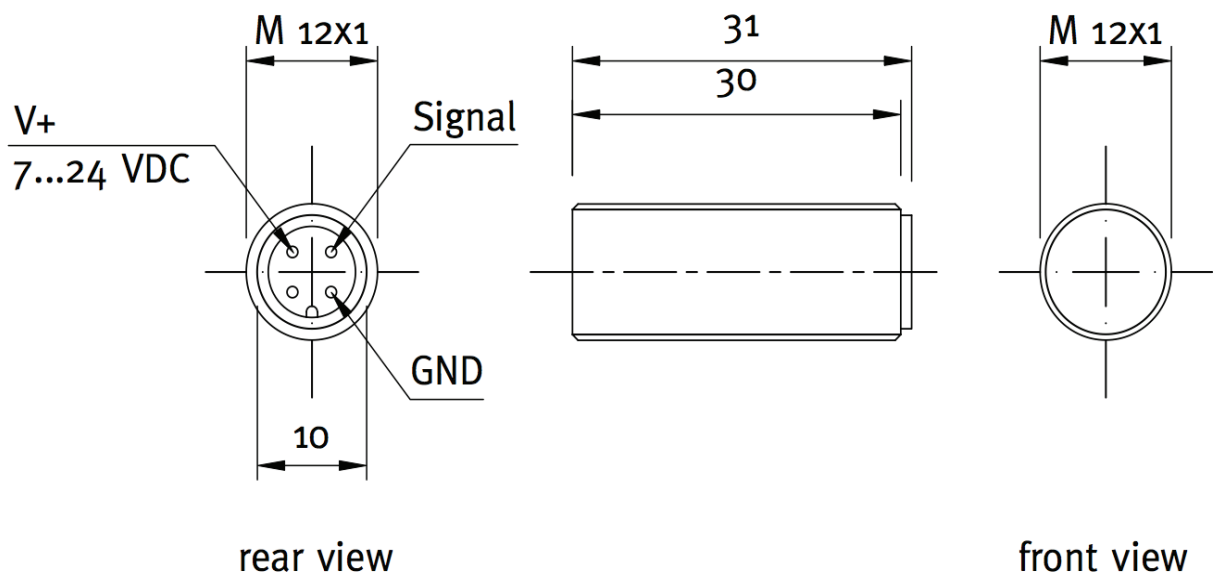


Measurement Setup:

lamp aperture diameter: 10 mm distance lamp  
aperture to second aperture: 17 mm second  
aperture diameter: 10 mm distance second  
aperture to detector: 93 mm

pivot level = top surface of the detector window

## DRAWING



cable configuration :  
black : V+  
white : ground  
blue : signal