

# TOCON\_PTFE

Miniature Housing with M12x1 Thread and Plug Connector

## GENERAL FEATURES



### Properties of the TOCON\_PTFE

- Optional feature for all TOCON detectors without lens cap
- 7 – 24 V 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 90 - 99 %.**

### 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...4.75 V output voltage can be directly connected to a SPC controller or a voltage multimeter. No amplifier is needed.

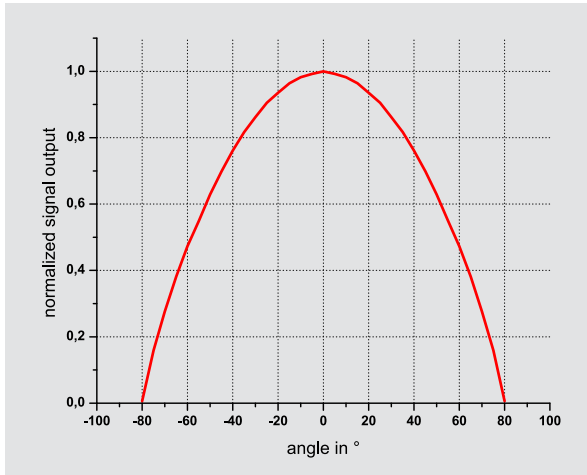
## SPECIFICATIONS

Parameter	Symbol	Value	Unit
<b>Spectral Characteristics</b>		According to applied TOCON	
<b>General Characteristics (T=25°C, V<sub>supply</sub> =+7 V)</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

# TOCON\_PTFE

Miniature Housing with M12x1 Thread and Plug Connector

## FIELD OF VIEW

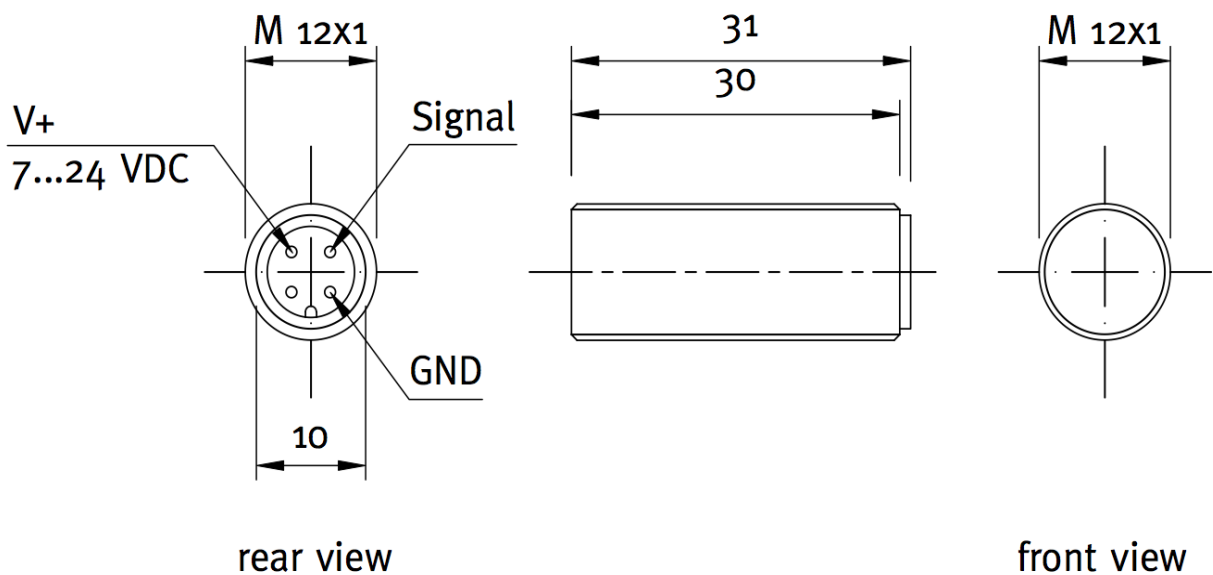


Measurement Setup:

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