



# UV Sensor Probe

Model: HT-UV-CUR1

## General features:

- Stable high temperature operation up to 250 °C
- Single power supply
- 2-wire 4-20 mA output
- High dynamic range and high sensitivity



**Applications:** UV dose measurement in UV curing system

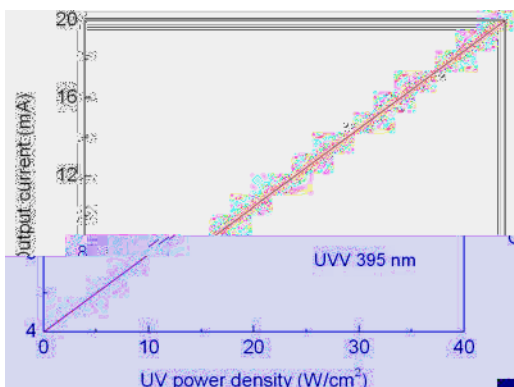
## Specifications:

General parameters					
Dimensions	Probe tip diameter (mm)	Optical fiber length (cm)	Weight (g)	Amplifier circuit case body	Quartz fiber tip
See drawing below	5	100	200	Al	Al/Cu
Parameters	Symbol	Value	Unit	Remark	
Maximum ratings					
Operation temperature <sup>1</sup>	T <sub>op1</sub>	-20-250	°C	Quartz fiber probe tip	
Operation temperature <sup>2</sup>	T <sub>op2</sub>	-20-80	°C	Amplifier circuit case	
Electro-optical characteristics (25 °C)					
Supply voltage	V <sub>cc</sub>	7-24	V	DC	
Output signal	I <sub>out</sub>	4-20	mA	0-5 V analog output as an option	
Detection wavelength range	λ	350-430	nm	See other options <sup>1</sup>	
Power measurement range	P	0-40	W/cm <sup>2</sup>	See other options <sup>2</sup>	

<sup>1</sup> UVA, UVB, UVC, UVV and full UV band are all available upon request.

<sup>2</sup> Power measurement range: 0-40 W/cm<sup>2</sup> (standard), 0-10 W/cm<sup>2</sup> (option), 0-1 W/cm<sup>2</sup> (option), 0-100 mW/cm<sup>2</sup> (option).

## Output signal curve:



## Drawing:

