



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

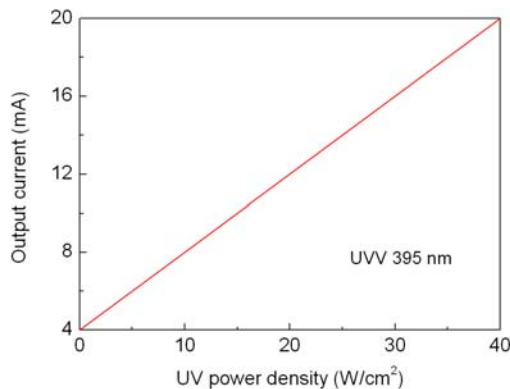
Specifications:

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

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

² Power measurement range: 0-40 W/cm² (standard), 0-10 W/cm² (option), 0-1 W/cm² (option), 0-100 mW/cm² (option).

Output signal curve:



Drawing:

