

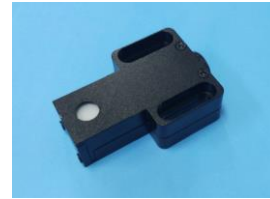


## UV Sensor Probe

Model: AP-UVx-1y

### General features:

- Compact package with sapphire window
- Single power supply
- Analog 0-5 V or 4-20 mA output
- High sensitivity and proved reliability



**Applications:** Radiant intensity measurement for UV curing, UV sterilization monitoring

### Specifications:

| General parameters                      |                      |            |                    |                                |
|---|----------------------|------------|--------------------|--------------------------------|
| Dimensions                              | Window diameter (mm) | Weight (g) | Case material      |                                |
| See drawing below                       | 6                    | 36         | Al                 |                                |
| Parameters                              | Symbol               | Value      | Unit               | Remark                         |
| Maximum ratings                         |                      |            |                    |                                |
| Operation temperature                   | $T_{op}$             | -20-85     | °C                 |                                |
| Storage temperature                     | $T_{sp}$             | -30-95     | °C                 |                                |
| Electro-optical characteristics (25 °C) |                      |            |                    |                                |
| Supply voltage                          | $V_{cc}$             | 7-24       | V                  | DC                             |
| Output signal                           | $I_{out}$            | 4-20       | mA                 | 2 wire circuit (AP-UVx-11)     |
|   |                      |            |                    | 3 wire circuit (AP-UVx-12)     |
|   | $V_{out}$            | 0-5        | V                  | 3 wire circuit (AP-UVx-13)     |
| Detection wavelength range <sup>1</sup> |                      | 220-290    | nm                 | AP-UVC-1y                      |
|   |                      | 220-325    |                    | AP-UVB-1y                      |
|   |                      | 220-370    |                    | AP-UVA-1y                      |
|   |                      | 290-440    |                    | AP-UVV-1y                      |
| UV power intensity measurement range    | P                    | 0-200      | mW/cm <sup>2</sup> | See other options <sup>2</sup> |
| Connection                              |                      |            |                    |                                |
| Cable length <sup>3</sup>               | 2 m                  |            |                    |                                |

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

<sup>2</sup> UV power intensity measurement range: 0-200 mW/cm<sup>2</sup> (standard), 0-1 W/cm<sup>2</sup> (option).

<sup>3</sup> Cable length can be customized upon request.



# UV Sensor Probe

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Drawing:

