






















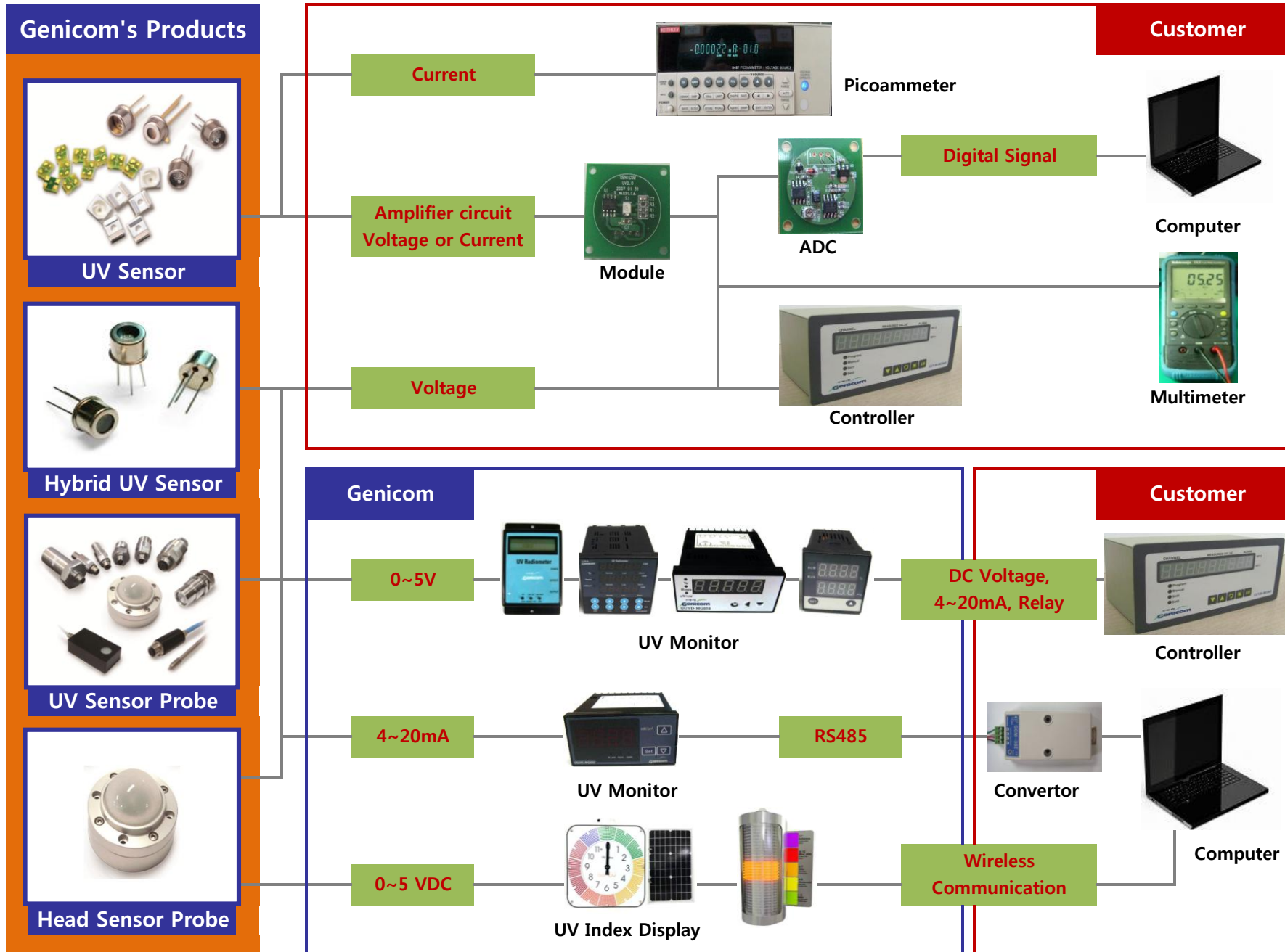
Total Solution of UV Sensing - 1. UV Photodiodes overview

Category		Visible		UUV				UVA					UVB						UVC				Digital		
		Wavelength (nm)		Blue ~470	~ 395				~370					~320						~280				~370	~320
		Product Image		 	   	   	    	   	 																
		PKG Type		SMD TO	SMD TO TO TO	COB SMD TO TO TO	COB SMD SMD TO TO TO	SMD TO TO TO TO	COB COB																
				3528 46	3528 46 39 5	2418 3528 46 39 5	2418 3535 3528 46 39 5	3535 46 39 5	2023 2023																
Chip Size/ Active Area (mm ²)	0.23 / 0.0162	○	○																		○	○			
	0.4 / 0.076			○	○		○	○	○		○	○	○	○		○	○		○						
	1.4 / 1.536				○				○					○			○								
	3.4 / 6.894								○					○			○								
Responsivity	Peak (nm)	Blue: 405 Green: 385	355				355					305						265				355	305		
Application	Wearable UV Index						○	○													○	○			
	UV Index						○	○	○			○	○	○	○	○					○	○			
	UV Curing			○	○	○	○		○	○	○														
	Sterilization								○		○						○	○	○	○					
Output	Current	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○							
	Voltage					○									○					○					
	Digital																				○	○			
Optical Source Power range	Min(μW/cm ²)			0.1	0.1 0.01	0.001		0.1	0.1	0.1 0.01	0.001		1	0.1	1	0.1 0.01	0.001		0.1 0.01	0.1 0.01	0.001				
	Max(mW/cm ²)			100	100	100		100	100	100	100		100	100	100	100	100		100	100	100				
Substance Report	RoHS	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○			
	SVHC	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○	○			
Angle of Incidence(°)		100	60	100	60	60	60	120	100	60	60	60	120	150	100	60	60	60	150	60	60	60	120	120	

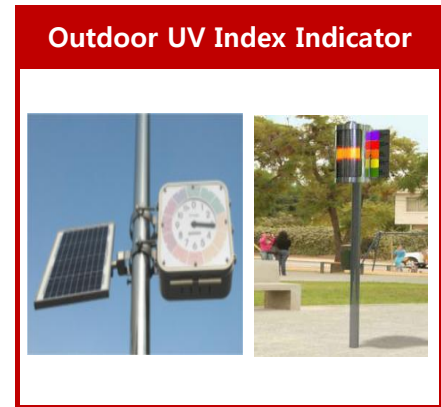
Total Solution of UV Sensing - 2. Sensor Probe & Radiometer overview

Application (environment)		Air treatment / UV Curing					Water treatment										Temperature & UV		UV Index / Irradiance		
		Series Name					Series Name										Series Name		Series Name		
		Feature					Feature										Feature		Feature		
Supply Voltage	5V	○	○	○	○	○	○	○			○	○	○							○	N/A
	9~24V	○	○	○	○	○	○	○	○	○		○	○			○	○	○	○	○	N/A
Output	0~5V	○	○	○	○	○	○	○			○	○	○	○				○	○	○	○
	4~20mA					○	○	○	○	○		○	○		○	○			○		
Size	Thread/Length (mm)						PT1/4", 12	PF1/4", 12	M36×1.5p, 12	NPT1/2", 12	PT3/4", 11	PT3/4", 16	PT11/4", 21		G1", 34	PT1/4", 12	PT3/4", 16				
	Angle(°)	60	60	60	60	20	30	30	30	30	30	30	360	360	40	30	30	100	180		
Application		Portable UV Radiometer				UV monitoring Radiometer							UV Index Indicator		Smart UVI (mobile)						
		Series Name				Series Name							Series Name		Series Name						
		Feature				Feature							Feature		Feature						
Supply Voltage	DC	9V Battery				DC 5V or 12V	9V									12V	12V	N/A	N/A		
	AC						86~230V AC 지원	100 ~ 240V			200 ~ 240V	85 ~ 265V	85 ~ 265V	90 ~ 264V	N/A						
Output	Relay					○		○	○	○	○	○	○	○							
	Voltage						○	○					○								
	Current						○	○					○								
Display	Absolute Power	○	○			○	○	○	○	○	○	○	○								
	Relative Power					○	○						○								
	Accumulative Time (hr)					○	○						○								
	UV Index			0~50										0~11+	0~11+	0~11+	0~11+				
Probe Type	LA						○		○		○	○	○								
	LW							LW5, LW10	LW5, LW6, LW8, LW10, LW11	LW5, LW10	LW5, LW9, LW10	LW5, LW10									
	LO						○		○		○		○								

Total Solution of UV Sensing - 3. UV Sensor Connection Diagram



Total Solution of UV Sensing - 4. UV Sensor Application Diagram



UV-V / UV-A

UV-C

UV-A
Low-Cost

UV-B
High-Precision

UV-A / UV-B

Genicom

1) UV Sensor
(Output : Current or Voltage)

3) UV Monitor
(Output : Current/Voltage/Relay/RS485)

2) UV Sensor Probe
(Output : Current / Voltage)

Genicom

1) UV Sensor
(Output : Current)

3) UV Module
(Output : Voltage)

2) UV Sensor
(Output : Digital)

4) Bluetooth Module

2) Portable Meter

Genicom

1) Outdoor UV Sensor Probe
(Output : Current or Voltage)

2) UV Index Display
(UV Index : 0~11+, Color LED)