

## Specifications for M007-051 Multifunction UV Enviro-meter

Specifications	Range	Max Resolution	Basic Accuracy
<b>UVA Light - 290nm to 390nm</b>			
$\mu\text{W}/\text{cm}^2$	0 to 1999 $\mu\text{W}/\text{cm}^2$	1 $\mu\text{W}/\text{cm}^2$	$\pm 4\% \text{FS}$
$\text{mW}/\text{cm}^2$	2 to 20 $\text{mW}/\text{cm}^2$	0.01 $\text{mW}/\text{cm}^2$	$\pm 4\% \text{FS}$
<b>Air Velocity</b>			
ft/min (feet per minute)	80 to 3940 ft/min	1 ft/min	$\pm 3\% \text{FS}$
m/s (meters per second)	0.4 to 20m/s	0.1m/s	$\pm 3\% \text{FS}$
km/h (kilometers per hour)	1.4 to 72km/h	0.1km/h	$\pm 3\% \text{FS}$
MPH (miles per hour)	0.9 to 45MPH	0.1MPH	$\pm 3\% \text{FS}$
knots (nautical miles per hour)	0.8 to 38.8 knots	0.1knots	$\pm 3\% \text{FS}$
<b>Air Volume</b>			
CFM	0.847 to 1,271,300CFM	0.001CFM	
CMM	0.024 to 36,000CMM	0.001CMM	
<b>Temperature (with optional probe)</b>	14 to 212°F (-10 to 100°C)	0.1°F/°C	$\pm 2.5^\circ\text{F}/\pm 1.2^\circ\text{C}$
<b>Temperature (ambient)</b>	32 to 122°F (0 to 50°C)	0.1°F/°C	$\pm 2.5^\circ\text{F}/\pm 1.2^\circ\text{C}$
<b>% Relative Humidity</b>	10 to 95%RH	0.1%RH	$\pm 4\% \text{RH}$ of reading
<b>Wet Bulb</b>	22.3 to 120.2°F (-5.4 to 49.0°C)	0.1°F/°C	calculated
<b>Dew Point</b>	-13.5 to 120.2°F (-25.3 to 49.0°C)	0.1°F/°C	calculated
<b>Wind Chill</b>	15.1 to 111.6°F (-9.4 to 44.2°C)	0.1°F/°C	$\pm 3.6^\circ\text{F}/\pm 2^\circ\text{C}$
<b>Heat Index</b>	32 to 212°F (0 to 100°C)	0.1°F/°C	$\pm 3.6^\circ\text{F}/\pm 2^\circ\text{C}$
<b>Barometric Pressure</b>			
inHg	0.29 to 32.48inHg	0.01inHg	$\pm 0.05 \text{inHg}$
mmHg	7.5 to 825mmHg	0.1mmHg	$\pm 1.2 \text{mmHg}$
hPa	10 to 1100hPa	0.1hPa	$\pm 2 \text{hPa}$
<b>Altitude</b>			
feet (ft)	-6000 to 30000ft	1ft	$\pm 50 \text{ft}$
meter (m)	-2000 to 9000m	1m	$\pm 15 \text{m}$
Dimensions	4.7 x 1.7 x 0.7" (120 x 45 x 20mm); Vane: 1.2" (31mm)		
Weight	5.6oz (160g)		