

# CONSERVATION SUPPORT SYSTEMS

---

## ELSEC 765 / 765C SPECIFICATIONS

### GENERAL DATA

<b>Display Type:</b>	128x64 OLED Display with automatic brightness control
<b>Power Source:</b>	4 off NiMH AAA Type
<b>Power Charger:</b>	Input: 100-240V 50-60Hz Output: 5V (USB connector)
<b>Power Source Life:</b>	Approx. 25 Hours continuous use or 3,000 readings taking 30 seconds each or over 100,000 log readings.
<b>Operating Temperature:</b>	0-50°C 0-99%RH, non-condensing
<b>Dimensions:</b>	6.7 x 2.4 x 0.6 inches / 170 x 60 x 15mm Including RH/Temp probe
<b>Weight:</b>	8.5oz / 240g with batteries
<b>Computer Interface:</b>	USB

### ACCURACY

<b>Visible Light:</b>	5% $\pm$ 1 Displayed digit
<b>Ultraviolet:</b>	15% $\pm$ 1 Displayed digit
<b>Temperature:</b>	$\pm$ 0.9°F / $\pm$ 0.5°C
<b>RH:</b>	$\pm$ 3.5% 10%-90%, otherwise $\pm$ 5%

### DISPLAY RESOLUTION

<b>Lux:</b>	0.1 up to 100 then 1
<b>Foot-Candles:</b>	0.1 up to 100 then 1
<b>Ultraviolet:</b>	0.1 up to 100 then 1
<b>Proportion of UV:</b>	1uW/Lumen
<b>Temperature:</b>	0.1°F or °C
<b>RH:</b>	0.1%

### VISIBLE and UV LIGHT

<b>Visible Wavelength Range:</b>	400-700nm (CIE Response). No correction require for different light sources.
<b>Visible Power Range:</b>	0.1-200,000 Lux (0.1-20,000 Foot-Candles)
<b>UV Wavelength Range:</b>	300-400
<b>UV Power Range:</b>	2-10,000 mW/M <sup>2</sup>
<b>UV Proportion Range:</b>	0-10,000uW/Lumen
<b>Angular Response:</b>	Cosine (Light and UV)