

CONSERVATION SUPPORT SYSTEMS

ELSEC 775 / 775C SPECIFICATIONS

GENERAL DATA

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

ACCURACY

Visible Light:	5% ±1 Displayed digit
Ultraviolet:	15% ±1 Displayed digit
Temperature:	±0.9°F / ±0.5°C
Thermal Radiation (IR):	±5% 10W/M ²

DISPLAY RESOLUTION

Lux:	0.1 up to 100 then 1
Foot-Candles:	0.1 up to 100 then 1
Ultraviolet:	0.1 up to 100 then 1
Proportion of UV:	1uW/Lumen
Temperature:	0.1°F or °C
Thermal Radiation (IR):	0.1 up to 100 then 1

VISIBLE and UV LIGHT

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

THERMAL RADIATION

Thermal Radiation Sensor:	Bismuth/Antimony thermopile with KBr window
Thermal Rad. Power Range:	0-1000 W/M ²
IR/Thermal Wavelength Range:	350nm – ~40uM