

## Product comparison: Portable Capella C3 series vs. Raytek 3I series

Date: 2/7/24



Model: Raytek 3I1MSCU

Capella C3 Series

### Characteristics:

- Sighting: Scope with Fixed focus Optics **Better Adjustable Focus Optics**
- Measurement range: 600~3000°C (1112°F~5432°F) **Many different temp. ranges depends on the model**
- Accuracy:  $\pm 0.5\%$  of reading or  $\pm 1^\circ\text{C}$  ( $\pm 2^\circ\text{F}$ ) **Better 0.25% or 0.3% of the reading  $+1^\circ\text{C}$**
- Resolution :  $1^\circ\text{C}(2^\circ\text{F})$  **Better 0.1°C**
- Distance to Spot Ratio: 180 : 1 **Better 357:1**
- Emissivity : Adjustable 0.1~1.0 **Better more adjustment 0.050 – 1.200**
- Response Time: 550ms 95% **Better < 1ms**
- Repeatability:  $\pm 0.5\%$  of reading or  $\pm 1^\circ\text{C}$  ( $\pm 2^\circ\text{F}$ ) **Better 0.1% of reading**
- Spectral Response :  $1.0\mu\text{m}$  **(1 or 2-color)**
- Analog output:  $1\text{mV}/^\circ\text{C}$  - **We do not have an analog output**
- Digital output: RS232, 9600 baud, output interval adjustable from 1 to 9999 seconds
- $^\circ\text{C}/^\circ\text{F}$  display selection **USB Connection for data transfer to a PC with Free software**
- Backlit LCD **Better OLED bright display**
- Red laser – **Better Green laser and Thru lens sighting – switchable**

- Tripod Mounting ---YES
- No Eye protection Filter Better, we offer a Eye protection filter for high temperature radiance
- Max/Min/Avg/Diff Measure and display – Yes and Simultaneously
- Audible/Visible Hi/Lo Alarms - YES
- Display hold: 7 Seconds
- 100 points data logging – Better- up to 3200 measured values
- Operating Environment: Temperature: 0~50 °C(32~120F),  
Humidity:10% to 90% RH
- Power: Battery 4xAA 1.5V/6~9V, 200mA DC supply Better One rechargeable Lion Battery -