

# » CFT

## COMPACT FLIR TESTER



Distribution in the UK & Ireland



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The CFT is a compact, lightweight, self-contained infrared test system. It houses a collimator, blackbody and a target wheel in one compact unit. The CFT may be used both in a lab or outdoors. For accurate MRTD testing need to disassemble and transport the FLIRs and sights to the lab. For accurate MRTD testing the CFT's embedded software uses an algorithm ensuring that the CFT emits the same radiance regardless of ambient temperatures.

Up to four selectable differential temperatures are available to the user. These temperatures may be set by the user via an easy to use PC interface.

The CFT's target wheel may be manual or motorized.

### » FEATURES

- ▶ Portable, compact and lightweight
- ▶ (4) Differential temperatures set by the user
- ▶ Motorized / manual target wheel with five targets
- ▶ Automated calibration traceable to NIST
- ▶ Ethernet or RS232 communication for temperature and target wheel remote control
- ▶ Full MRTD testing with a PC interface (optional)

### » SPECIFICATIONS

	CFT 2	CFT 5
Effective Focal Length	252 mm (approx. 10")	500 mm (approx. 19.7")
Clear Aperture	48 mm (1.9") diameter	125 mm (4.9") diameter
Spectral band	3-5 microns or 8-12 microns	
Blackbody Differential Temperature	-5°C to 20°C	
Blackbody Accuracy	$\pm 0.01^{\circ}\text{C} \times \text{DT}$ or $\pm 0.05^{\circ}\text{C}$ (which ever is greater)	
Blackbody Stability	$\pm 0.01^{\circ}\text{C}$	
Transmission	90% Average	
Resolution	5Cy/mrad @ 3-5 $\mu$ , 3.5cy/mrad @ 8-12 $\mu$	
Target Definition	User-defined	
Field of View	4°	2°
Weight	3.5 kg	4.8 kg
Operational Temperature	-20 to +50°C	-20 to +40°C
Input Power	20-30 VDC	
Physical Size	430 L x 170 W x 220 H mm	452 L x 193 W x 216 H mm
Mechanical Interface to Unit under Test	Manufactured by CI System on request	

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