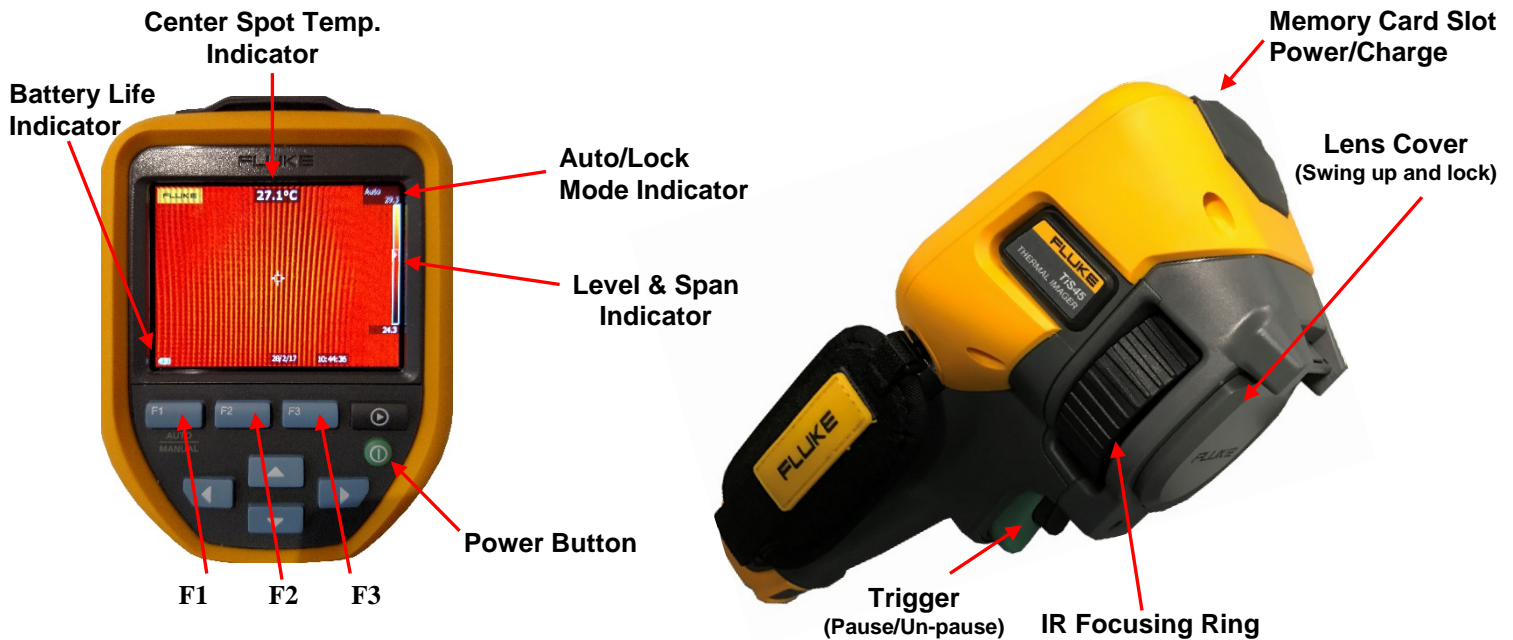


QuickStart: FLUKE TiSXX

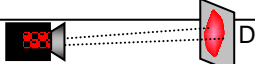


1. **MEMORY:** Insert SD memory card into the slot under the rubber cover on the top of the camera.
2. **POWER:** Insert a fully charged battery into the base of the hand grip. The battery life is indicated in the bottom left corner of the LCD display. You can also press and hold the battery symbol on the side of the battery.
3. **START:** Press the Power button until you hear an audible tone signaling camera startup.
 - Swing the attached lens cover up and lock in the open position on the top of the camera.
 - The LCD display will turn on and you will see the default start up screen (as above) showing a live infrared image.
 - To turn the camera off, press the Power button until an audible tone signals it is powering down.
4. **FOCUS:** Focus is manual.
 - To manually focus, adjust the focusing ring either clockwise or counter clockwise to optimize image focus
5. **AUTO ADJUST (Level and Span):** Auto Level and Span can be selected two ways. If operating in Manual Mode, depress and hold the F1 button and the imager will change to Auto mode.
 - Auto mode is additionally accessible through the menu screens. Depress the F2 button to open the Menu, and with the directional buttons select *Measurement*. Then select *Set Level/Span*. To select auto, highlight it with the directional buttons and then depress F1.
6. **MANUAL ADJUST (Level & Span):** Manual Level and Span can be selected two ways. If operating in Auto Mode, depress and hold the F1 button and the imager will change to Manual mode.
 - Manual mode is additionally accessible through the menu screens. Depress the F2 button to open the Menu, and with the directional buttons select *Measurement*. Then select *Set Level/Span*. To select Manual highlight it with the directional buttons and then depress F1.
 - While in Manual mode, a one-time auto adjust of level and span can be made by depressing the F3 button.

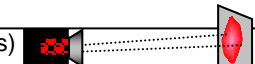
QuickStart: FLUKE TiSXX

7. **PAUSE IMAGE:** Live images are paused by depressing the primary (green) trigger once. Once an image has been paused, the options are given to *Save*, *Edit* or *Cancel*. Selecting cancel returns the imager to live operation.
8. **SAVE IMAGE:** After depressing the green trigger, *Save* appears above the F1 button. To save the image, depress the F1 button.
9. **RECALL IMAGE:** Depress the memory view button, and using the directional buttons (\wedge and \vee) or highlight the preview image of the desired file to view. Depress F2 to recall the image.
10. **PALETTE:** From the home screen, depress the F2 button. Then using either the directional arrow buttons, select *Image*, then select *Palette*. Depress F1 or \rightarrow to enter the palette menu, and then using the up/down directional arrow buttons scroll through the palette selections. To select a palette, either depress the F1 button (done) or F2 (return to previous menu).
11. **EMISSIVITY:** From the home screen depress the F2 button, then using the directional arrow buttons, highlight *Measurement*. Depress the F1 button (OK), select *Measurement*. Then using the directional arrow buttons highlight *Emissivity*, then *Adjust Number*. Then use the directional arrows to adjust the number. To select the emissivity from a table of common materials, depress F2, highlight *Measurement*, *Emissivity*, then *Select Table*. Use the directional arrows to select the material.
12. **BACKGROUND:** From the home screen depress the F2 button, then using the directional arrow buttons, highlight *Measurement*. Depress the F1 button (OK) *Measurement*. Then either using the directional arrow buttons highlight *Background*. Then with the up/down directional arrow buttons adjust the background correction factor to the desired level. To save the selection, either depress the F1 or F2 buttons.
13. **Transmission:** From the home screen depress the F2 button, then using the directional arrow buttons or, highlight *Measurement*. Depress the F1 button (OK) to select *Measurement*. Then using the directional arrow buttons highlight *Transmission*. Then with the up/down directional arrow buttons, adjust the transmission correction factor to the desired level. To save the selection, either depress the F1 or F2 buttons.

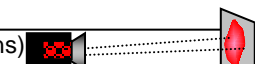
TiS10

IFOV = 7.8 mRad (Theoretical with 80x60 Detector and standard 35.7°x26.8° lens)  Detect 1in. target @ 11ft.

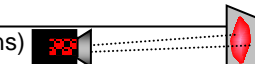
TiS20

IFOV = 5.2 mRad (Theoretical with 120X90 Detector and standard 35.7°x26.8° lens)  Detect 1in. target @ 16ft.

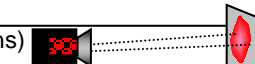
TiS40/45

IFOV = 3.9 mRad (Theoretical with 160x120 Detector and standard 35.7°x26.8° lens)  Detect 1in. target @ 21ft.

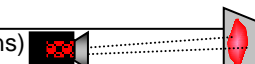
TiS50/55

IFOV = 2.8 mRad (Theoretical with 220x165 Detector and standard 35.7°x26.8° lens)  Detect 1in. target @ 30ft.

TiS60/65

IFOV = 2.4 mRad (Theoretical with 260x195 Detector and standard 35.7°x26.8° lens)  Detect 1in. target @ 35ft.

TiS75

IFOV = 2.0 mRad (Theoretical with 320x240 Detector and standard 35.7°x26.8° lens)  Detect 1in. target @ 42ft.